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UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA

BEFORE THE HONORABLE WILLIAM H. ALSUP

ORACLE AMERICA, INC.,)	
)	
Plaintiff,)	
)	
VS.)	No. C 10-3561 WHA
)	
GOOGLE, INC.,)	
)	
)	San Francisco, California
Defendant.)	Tuesday
)	April 19, 2016

TRANSCRIPT OF PROCEEDINGS

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(Appearances continued on next page)

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Tuesday - April 19, 2016

8:00 a.m.

P R O C E E D I N G S

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THE CLERK: Calling Civil Action 10-3561, Oracle
America Inc. versus Google Inc.

Counsel, please step forward to the podium and state your
appearances.

MR. BICKS: Good morning, Your Honor. Peter Bicks
from Orrick for Oracle.

THE COURT: Okay. Welcome.

MR. BICKS: Thank you.

MR. VAN NEST: Good morning, Your Honor. Bob Van Nest
of Keker Van Nest for Google. And I'm joined this morning by
Christa Anderson --

MS. ANDERSON: Good morning.

MR. VAN NEST: -- Beth Egan, Steven Ragland. And our
client is represented this morning by Mr. Renny Hwang. And we
are all here and ready.

THE COURT: Thank you. Good.
Who is at your table, Mr. Bicks?

MR. COOPER: Your Honor, my name is John Cooper. I am
here for Dr. Kearl. And Dr. Kearl is in the courtroom and will
participate.

THE COURT: Thank you. Welcome to both of you.
And?

1 **MR. BICKS:** So Ms. Hurst, you know.

2 **THE COURT:** Good morning.

3 **MS. HURST:** Good morning, Your Honor.

4 **MR. BICKS:** Ms. Lewis-Gruss is here. Mr. Ramsey you
5 know. Mr. Kim. Ms. Simpson.

6 **MS. SIMPSON:** Good morning, Your Honor.

7 **MR. BICKS:** And Mr. Keele.

8 **THE COURT:** Who is sitting beside Ms. Hurst? I didn't
9 catch that name.

10 **MS. HURST:** Lewis-Gruss, Your Honor.

11 **THE COURT:** Spell that last name.

12 **MS. HURST:** L-e-w-i-s hyphen G-r-u-s-s.

13 **THE COURT:** G-r-u-s-s. All right. For some reason
14 that was not on my list.

15 **MS. LEWIS-GRUSS:** Thank you, Your Honor.

16 **THE COURT:** All right. Great.

17 All right. We're going to try to do the damages issues
18 today and the disgorgement issues.

19 Let's start with the motion directed at the 470 million in
20 lost profits by Malackowski. So I guess that's a Google
21 motion; right?

22 I don't want to get into disgorgement at this point. I
23 just want to focus on the lost profits.

24 **MR. VAN NEST:** Very well, Your Honor. Bob Van Nest
25 for Google.

1 Just a housekeeping matter, I know we're here to talk
2 numbers. I know we're here to talk damages. But consistently
3 through the case two categories of information have been
4 sealed. I'm not asking --

5 **THE COURT:** You're asking for that -- I'm going to
6 deny that motion that was filed that the "x" billion dollars is
7 attributable to an Android or whatever it was.

8 No, we're not going to go through this case and keep --
9 this is a public proceeding. But if that's not what you have
10 in mind, you can -- you can raise it again and I'll listen to
11 what you have to say. But we -- we cannot be going through
12 this trial tiptoeing around big numbers just because Google
13 doesn't want it to be public.

14 **MR. VAN NEST:** Well, I actually wasn't asking to
15 tiptoe around big numbers, Your Honor. The only two
16 categories -- and I've alerted counsel to this -- are specific
17 revenue-sharing deals with partners on current deals. The
18 experts deal in averages. Averages are fine. It's the details
19 of a particular deal that we'd ask be kept confidential. And
20 then --

21 **THE COURT:** Well, who is that with? Which company?

22 **MR. VAN NEST:** Well, they're with a variety of
23 companies.

24 **THE COURT:** You don't even want to name publicly who
25 they are? I will deny it. Unless you make a public record

1 now, I might consider that one. You're talking about the one
2 with Apple and what the revenue sharing thing there is?

3 **MR. VAN NEST:** That's right. That's one of them,
4 sure.

5 **THE COURT:** Why is that so -- is anybody from Apple
6 here to argue this? Why do you care?

7 **MR. VAN NEST:** Well, we care because we are in a
8 position, Google is, of negotiating different deals with
9 different partners. And those partners each have separate
10 deals. So that would include the OEMs that build the phones.
11 It would include partners like Apple that have different
12 platforms.

13 In Judge Ryu's court we worked out an arrangement where
14 the names were anonymous and averages were used. And that's
15 been working just fine. And we are perfectly willing to live
16 with that regime. But it makes it very difficult to negotiate
17 additional deals if everybody in the world knows the details of
18 every current deal. So that's the reason there.

19 And, again, the experts use averages. So I don't think we
20 need to get into specifics. And I don't think anyone intends
21 to do that today.

22 The only other category is Android profits and revenues in
23 particular categories. Those have been sealed throughout the
24 case. They are current. They include current data. We're a
25 public company. We don't report that information publicly.

1 Again, there, I believe we can talk in generalities. And I
2 don't think -- I don't think that will impair, one bit,
3 anybody's understanding.

4 That's all I had to say on that, Your Honor.

5 **THE COURT:** All right. The first one I'm going to
6 come to. The second one is denied. This is a public
7 proceeding. And, of course, things are going to come out from
8 both sides that the public doesn't know about. That's -- just
9 because you're a public company doesn't give you the right --
10 if you-all wanted to litigate this before JAMS and some private
11 arbitrator, God bless you. You could do that. But this is a
12 U.S. District Court. It's a public proceeding. The public has
13 a right to see what goes on in their District Courts. So
14 denied.

15 However, on the other one, at least temporarily, I'm going
16 to grant that motion. On the specifics of your deal with Apple
17 and other companies, I will grant that.

18 But please don't say later that I granted it forever,
19 because if we get into the trial and it's necessary to reveal
20 that publicly in order to make the trial function smoothly,
21 we're going to do it.

22 So but for now we don't need to do it, so I'll go along
23 with you on the first one.

24 **MR. VAN NEST:** Fair enough. Thank you, Your Honor.

25 **THE COURT:** All right. Thank you.

1 Are you ready to argue your motion?

2 **MR. VAN NEST:** I sure am.

3 **THE COURT:** All right. Please go ahead. We've got a
4 lot to cover in a short time.

5 **MR. VAN NEST:** And I'll be very brief because I think
6 this is -- this is very straightforward.

7 What Dr. Malackowski has done is essentially take a
8 two-year estimate/projection done internally at Sun and used
9 that number, which is a projection on a different copyrighted
10 work -- Java ME, not Java SE -- projected it out over five,
11 six, seven years, taken no account of the fact that the market
12 for feature phones was in huge transition, the smart phone
13 market was emerging. He gives no acknowledgment whatsoever of
14 that. He takes a single Sun projection from 2008, projects
15 forward an 8 percent growth rate over six, seven years through
16 2015.

17 **THE COURT:** Well, how many years was the projection?

18 **MR. VAN NEST:** I believe it's two years.

19 **THE COURT:** You believe or you know?

20 **MR. VAN NEST:** I know.

21 **THE COURT:** All right. Two years.

22 **MR. VAN NEST:** And he takes that projection, extends
23 it out through 2015.

24 Again, that projection was based on Java ME, which doesn't
25 even contain all the 37 APIs. As Your Honor knows, Java ME,

1 which was this work intended for devices like Coke machines and
2 so on, has 10 APIs total. 10 APIs total. It doesn't have the
3 37 APIs or the same SSO of Java SE.

4 So he took that projection, extended it out at a fixed
5 rate, the 8.3 percent a year, assumed they would grow at that
6 rate, even though everybody in the world knew that feature
7 phones were dying, that a new market for smart phones was
8 emerging. He gives absolutely no weight whatsoever to that.
9 He simply takes that projection, assumes that's what they would
10 have earned in a but-for world, and subtracts actual revenues
11 from that to get his \$475 million.

12 Now --

13 **THE COURT:** Does he assume -- what does he assume
14 about the smart phone world?

15 **MR. VAN NEST:** I don't think he assumes a thing. I
16 think he assumes that everything was fine at Sun and they were
17 going to keep growing at 8 percent, and that their little 10
18 API Java ME was going to do fine, even though everybody knew
19 that the world was changing.

20 And this is what Dr. Kearl criticizes heavily, is taking a
21 projection which is very limited in time and extending it out
22 over a long period of time without making any adjustments for
23 the fact that the world is changing and there's a revolution
24 out there. Dr. Kearl is very critical of this, as is
25 Dr. Leonard and --

1 **THE COURT:** Wait, wait. Wait a second. Don't be too
2 hard on him. At least there's two years there.

3 Your side is trying to say that you would have used JDK
4 and you have zero projections. You don't even project for two
5 months, much less two years. And yet you're willing to build
6 an entire alternative universe based upon Open JDK.

7 **MR. VAN NEST:** That's quite different, Your Honor,
8 because there it's a question of what does it cost; right?
9 That's a knowable fact. What does it cost to implement Open
10 JDK as opposed to what you're using now? That's not a
11 projection of revenue. That's not a projection of the future.
12 You know that number --

13 **THE COURT:** You say that so calmly, but I don't know
14 that it's so obvious how much it would have cost.

15 **MR. VAN NEST:** Well, we've done it. I mean, we've
16 done it. We've done the engineering. We know how much it
17 costs, and that's what Dr. Leonard -- we'll get into
18 Dr. Leonard later on. But that's a very different thing. As
19 all the other experts, as Dr. Kearl and Dr. Leonard both
20 recognize, you can't take a Java ME -- what we're trying to see
21 here is what was the harm to the copyrighted work; right? What
22 was the harm to the copyrighted work.

23 They're not even really looking -- Malackowski is not even
24 really looking at sales data. He's not looking at sales that
25 they may have made or not made. He's taking a projection for a

1 different copyrighted work with 10 APIs that was never intended
2 to support a smart phone in the first place. I mean, they
3 acknowledge that Java ME doesn't have the capability of
4 supporting a smart phone. It has 10 APIs. It was never
5 intended for that purpose.

6 And so he's taking that projection, running it out. He
7 says, okay. Here's the numbers we would have had. Here's the
8 numbers we did have. That's how he gets to the \$475 million
9 number.

10 **THE COURT:** Well, can I see the -- can you hand up to
11 me the projection that -- the two-year projection?

12 You know, the -- I can't find everything. There are so
13 many boxes of material. You lawyers have got to bring the key
14 documents here.

15 Does the other side have the document?

16 **MS. HURST:** Yes, Your Honor.

17 **THE COURT:** Thank you. Would you please hand it up to
18 me.

19 **MS. HURST:** Yes, Your Honor.

20 **THE COURT:** All right. What's been handed to me is
21 called Exhibit 1578, Strategic Forecast, low, medium, high.

22 And then there's page after page of tiny microscopic
23 numbers.

24 **MS. HURST:** Your Honor --

25 **THE COURT:** I can't read them. It's impossible to

1 read, but okay.

2 **MS. HURST:** I have another version that's slightly
3 easier to read, Your Honor.

4 **THE COURT:** All right. Why don't you hand that one to
5 me.

6 Okay. So just looking at the -- I'm just studying the
7 first page.

8 Total Java, fiscal year '07, actual fiscal year '08, total
9 '9, '10. What year was this?

10 **MR. VAN NEST:** This is in '08, Your Honor.

11 **THE COURT:** All right. So is '08 -- is '08 a full
12 year, or is that a partial year?

13 **MR. VAN NEST:** '07 is a full year. I think '08,
14 because of the zero at the bottom, I think is a partial year.
15 The projection years are '09 and '10.

16 **THE COURT:** All right. So we have one year of actual
17 partial year, and then looks like about two-plus years of
18 projection. And it shows low, medium, high. Looks like losses
19 all of those years. But somehow this must get transformed into
20 profits. But it has Total Java, Total Mobile Embedded.

21 All right. Explain the -- explain to me what this
22 document is, because I don't see the words "Java ME" on here.

23 **MR. VAN NEST:** Well, if you look to the second page,
24 Your Honor, you'll see "Strategic Forecast." You'll see "Java"
25 at the top. And that's Java EE, which is the enterprise. And

1 you go down a little bit further, "mobile embedded," that's
2 Java ME.

3 So when they say "embedded" they are talking about --
4 essentially about Java ME, embedding it in another bigger
5 software package. So that's why I say it was not intended to
6 be a standalone product ever. It never was. It's embedded in
7 other things. So he's got Java ME various categories there on
8 the second page.

9 **THE COURT:** Okay. So --

10 **MR. VAN NEST:** Java EE is not relevant. It's the
11 Java ME that he's relied on to do his projections here.

12 **THE COURT:** All right. Well, let's study ME for a
13 minute. How does -- help me understand how this shows profits
14 and how it's used by the expert.

15 **MR. VAN NEST:** I think he's using this to show -- to
16 show his total revenues projected out. He's projecting an
17 8 percent growth rate. He uses the projections to calculate
18 that Sun, in '08, was projecting growth at 8 percent. So he
19 takes the current rate of sales and profits and projects that
20 out at 8 percent all the way through 2015. That's essentially
21 what he's done. And then he subtracts that number -- he
22 subtracts from that number actual revenues for Java ME during
23 that period of time.

24 So what he's deriving primarily from this is a growth rate
25 over these two years, 8 percent a year, 8.3 percent, I believe

1 it is, and then he --

2 **THE COURT:** Where does the 8.3 come from?

3 **MR. VAN NEST:** I think he's comparing year over year
4 in his total mobile embedded.

5 **THE COURT:** All right.

6 **MR. VAN NEST:** In other words, he's showing -- he's
7 showing mobile embedded numbers for '09 and '10, and he's
8 projecting an 8 percent growth rate. He's deriving an
9 8 percent growth rate from that and just projecting that out,
10 taking current results, and assuming that Java ME grows
11 8 percent -- 8.3 percent a year through 2015.

12 **THE COURT:** When did Apple come on the scene with the
13 iPhone?

14 **MR. VAN NEST:** iPhone?

15 **THE COURT:** Yeah.

16 **MR. VAN NEST:** iPhone, I believe, launched in '08.
17 '07 or '08.

18 '07. 2007.

19 **THE COURT:** So the iPhone was already in the
20 marketplace --

21 **MR. VAN NEST:** Right.

22 **THE COURT:** -- when this was being projected?

23 **MR. VAN NEST:** Right. Android had been announced and
24 Android code was available. But the first Android phones were
25 later in '08 and into '09. But it had been announced.

1 **THE COURT:** Well, when this -- who was the author of
2 this study?

3 **MR. VAN NEST:** I'm not sure who at Sun prepared this.

4 **THE COURT:** Was the person -- anyone deposed at Sun
5 who could explain this?

6 **MR. VAN NEST:** I'm not sure. Dr. -- Mr. Malackowski
7 was deposed, but I don't believe -- I'm not sure the author of
8 this was ever deposed.

9 **THE COURT:** One of the many lawyers surely knows the
10 answer.

11 **MS. HURST:** I'm getting it right now, Your Honor.
12 Give me one moment.

13 **THE COURT:** Okay. And while you're getting that,
14 another related question is, were there any other emails or
15 memos that referred to this strategic forecast, or was it ever
16 updated?

17 What use was ever made of this strategic forecast? So
18 that would be of some interest.

19 **MR. VAN NEST:** I don't think that -- to the extent
20 there were, Your Honor, I don't think Mr. Malackowski
21 considered them. I think he's relying on this -- on this
22 projection.

23 The other thing I would note, while we're looking for
24 that, is that he doesn't really make any effort to determine
25 whether the use of the SSO and the method declarations in

1 Android have caused what he says is a \$475 million loss of
2 profit. He's just assuming that.

3 In other words, he's not done any analysis to say, well,
4 you know, were those things instrumental in the sale? Did the
5 folks that took licenses care about that?

6 Again, as he does throughout his report, he's looking at
7 Android the platform and saying, well, we can't compete or they
8 couldn't compete with Android the platform.

9 There's no effort in any of his opinions -- and I'll talk
10 in more detail about this when we get to disgorgement -- to
11 break it down to the SSO. He's simply saying, well, we had
12 this great little ME business, and it was growing at 8 percent
13 a year, and then all of a sudden Android came along and we
14 weren't making 8 percent anymore; we were making less. And I'm
15 going to lay all that at the feet of Google.

16 Notwithstanding that Apple is out there with iPhone,
17 notwithstanding that the feature phone market was essentially
18 drying up. Notwithstanding that they hadn't come up with their
19 own phone to be in the smart phone market. He's simply taking
20 this, you know, very simple limited projection and saying, gee,
21 I think that's a good measure of what the world would have
22 been.

23 That's what Dr. Kearl and Dr. Leonard are most critical
24 of. But I would say it's equally critical to say you have to
25 show some measure of causation, not just throw your hands up

1 and say, well, Android is out there, we're losing sales to
2 Android, because you have to look at what's the infringing use
3 and so on and so forth.

4 **THE COURT:** Well, maybe. And I've been thinking about
5 the possible differences between the role of noninfringing
6 alternatives and the role of SSO and disgorgement versus lost
7 profits.

8 **MR. VAN NEST:** Right.

9 **THE COURT:** And it could be that they are very
10 different standards on account of the way the statute is
11 written. All right.

12 **MR. VAN NEST:** In any event --

13 **THE COURT:** Can we come back to this? Somebody tell
14 me who the author of this was and how it was even used in the
15 company and how we even know that.

16 **MS. HURST:** Your Honor, the author is Param Singh,
17 P-a-r-a-m, S-i-n-g-h.

18 **THE COURT:** Okay.

19 **MS. HURST:** We know that because this came from his
20 custody. It was a document that was in his custody. He was a
21 product manager at Sun in the time frame of the forecast, early
22 2008. And the product managers were responsible for marketing
23 a product but also developing a roadmap for how the product
24 would be improved over time. So they were involved in
25 supporting the sales effort but also deciding what kind of

1 investment decisions would be related to the product.

2 And so they made forecasts as a regular part of their
3 business to aid them in, you know, making those kinds of
4 decisions.

5 **THE COURT:** Is that what he testified to?

6 **MS. HURST:** He is not available to us, Your Honor. We
7 have other witnesses who were at Sun at the time, in both the
8 finance department and the sales department, who can and will
9 be available to testify.

10 **THE COURT:** Where is Mr. Singh? Anyone know?

11 **MS. HURST:** Your Honor, I don't know right now. I
12 will get my best information on that.

13 **THE COURT:** Thank you.

14 **MR. VAN NEST:** Your Honor --

15 **THE COURT:** Was this presented to the board of
16 directors?

17 **MS. HURST:** No, Your Honor. I don't believe it was
18 ever at that level of the company. It was within the Java
19 business unit of Sun, which was part of the overall software
20 business.

21 **THE COURT:** Are there any other memos or emails that
22 refer to this document so that we can help understand how it
23 was used?

24 Well, you could --

25 **MS. HURST:** Your Honor, it may be possible to analyze

1 our document database to find the answer to that question, but
2 I don't have it for you today.

3 **THE COURT:** Okay.

4 **MR. VAN NEST:** Your Honor, if I could just make two
5 more comments on this point.

6 One, to the extent there are other documents, I don't
7 think that Mr. Malackowski considered them.

8 And, two, the primary objection that we have is the one
9 that Dr. Kearl has as well, which is, quote -- and I'll quote
10 from what he said, that:

11 "What is not standard is to linearly extrapolate those
12 contemporaneous forecasts" -- he's talking about these --
13 "far outside the range of those actual forecasts with no
14 additional analysis or support."

15 And what he means by that is if you're going to take
16 something that was done in '08, projecting '09 and '10, and
17 you're going to extend it forward another five years in a
18 linear way, without making any adjustments at all, you've got
19 to do some additional analysis. And particularly where you
20 know that iPhone is out there and that the market for feature
21 phones is fading away, and that a new market and a new product
22 category are there, which is Android and iPhone.

23 You can't simply take something that was done at an
24 earlier period and project it out in a linear fashion.

25 I'm not saying and we're not saying you can't use it as

1 part of your analysis. That's not the point. Sure, you can
2 take it into account. But where this is the only thing that he
3 has, the only basis, and where he projects it out over such a
4 long period of time, that's what Dr. Kearl is saying is
5 completely wrong and not standard as a matter of economics.

6 And so for that reason, Your Honor, we've asked the Court
7 to exclude this aspect of Mr. Malackowski's opinion.

8 **THE COURT:** All right. Let's hear from Oracle,
9 please.

10 **MS. HURST:** Thank you, Your Honor.

11 Your Honor, this very projection was used in the first
12 phase of the case in the lost profits calculation. It was used
13 by Dr. Cockburn, who was Oracle's expert at the time. It was
14 also used by Dr. Cox, who was Google's expert at the time, to
15 rely upon as a way of attacking Dr. Cockburn's calculation.

16 Google previously moved to exclude Oracle's reliance on
17 this projection. And the Court denied that motion in ECF
18 Number 685. I believe that's the second *Daubert* order, Your
19 Honor, at 5 to 7.

20 Your Honor, the projection is a reliable method because
21 it's a pre-infringement projection. And that's the best
22 evidence that we have of what Sun thought about the market
23 beforehand.

24 And I don't want to misrepresent Mr. Van Nest's position,
25 but it sounds like the real beef here is the projection beyond

1 the end of the forecast, Your Honor.

2 **THE COURT:** How was it used before?

3 **MS. HURST:** Your Honor, it was used to calculate lost
4 profits up through the time of the damages period, before the
5 first trial, which included fiscal year '11. So it was at
6 least one year of projection. But it was not, Your Honor, the
7 way we've done it here, which is to bring it current to the
8 current damages period.

9 **THE COURT:** Well, so adding one year is one thing.
10 But adding -- how many more years? Five years or six years is
11 another. Five years, I guess.

12 **MS. HURST:** It is, Your Honor.

13 To address that point, here is what the evidence would
14 show: That Mr. Malackowski's assumptions are either that
15 without the infringement Java would continue to capture a
16 significant share of feature phones, which would not decline as
17 rapidly without Android in the market, or Java would be
18 successful in capturing a more meaningful share of the smart
19 phone market.

20 Those would be the assumptions, Your Honor. And the
21 evidence supporting those assumptions would include a history
22 of very significant licensing relationships with the carriers
23 and the manufacturers, including licensing relationships for SE
24 in phones -- such as with Nokia, Your Honor -- would include
25 internal evidence of Sun's plans and efforts to advance the

1 Java platform in mobile devices by creating new versions, such
2 as JavaFX and JavaOne.

3 All of those were pre-infringement-discussed activities,
4 Your Honor, that are relevant to Sun's business activity.

5 In addition, Your Honor, there is market-based economic
6 information, including the fact that mobile phones were in --
7 the market for mobile phones was not only indifferent to the
8 economic crisis of 2008, but improved through that crisis
9 period and during the recovery; that the growth in mobile
10 phones was very high during that period; and that the 8 percent
11 projection, Your Honor, is conservative relative to the actual
12 market performance, which was astronomical during this period
13 of time, in light of the assumptions that -- that Sun and
14 Oracle either would have continued to capture a portion of
15 feature phones or would have transitioned successfully to some
16 degree into smart phones as they were already doing with
17 licensees such as Microsoft, Nokia, Blackberry, and others.

18 Your Honor, with that testimony from the fact witnesses
19 and Mr. Malackowski, this projection is supportable as a
20 reliable method. Indeed, the fact that it is based on a
21 pre-infringement projection, which is then projected forward
22 conservatively relative to what the actual market growth was,
23 is quite supportable.

24 In addition, Your Honor, there was another internal
25 projection at Sun, that Mr. Malackowski looked at, which was

1 from a slightly later period in time when the first Android
2 phone was just coming onto the market. So it's less reliable
3 in terms of a pre-infringement forecast. But he also found
4 that that had results of even greater damages than the
5 strategic forecast that he relied upon.

6 So while he looked at that as a reasonableness test, he
7 actually took the more conservative route, which was also the
8 projection that was relied upon by both sides the last time
9 around and which the Court permitted.

10 **THE COURT:** Do we know in the real world what happened
11 with feature phones during the period 2010 all the way up to
12 2015?

13 **MS. HURST:** Yes, Your Honor. At this point in time
14 when this projection was made, in feature phones Java was
15 80 percent of the market and a billion phones. Upon the
16 arrival of Android, it began to decline and Android began to
17 increase. That crossover point, Your Honor, where they meet at
18 about 40 percent of the market is in the 2010 to 2011 time
19 frame, which was the period of damages basically from the first
20 trial.

21 Then after that you have the Java-enabled phone market,
22 which included both feature phones and smart phones, Your
23 Honor, because there was Java in smart phones, such as
24 Blackberrys and others, continued to decline down to the point
25 where it's pretty much zero today, for all intents and

1 purposes. And Android continued up the scale to where it's at
2 80 or more percent today. And pretty much iPhone is about
3 the only other player in the market.

4 **THE COURT:** I guess I -- let me tell you what concerns
5 me and what confuses me. And then you restate whatever you
6 need to again.

7 I thought this strategic forecast was for feature phones.
8 Right? Is that -- let me just stop there. Is this for feature
9 phones, or is this for smart phones?

10 **MS. HURST:** Your Honor, it's for total mobile. So
11 internally at Sun they didn't necessarily make that
12 distinction. They had licensees in the mobile category, and
13 they were accounting for the expected performance of those
14 licensees.

15 **THE COURT:** But the mobile line here is ME; right?

16 **MS. HURST:** Your Honor, I think that's right. I don't
17 think there would have been any revenue yet for SE in the
18 mobile line.

19 **THE COURT:** So --

20 **MS. HURST:** There might have been license fees for
21 Savaje or Danger that would have been included. And Nokia,
22 which would technically reflect SE revenue upfront license
23 payments, not per-unit license payments.

24 **THE COURT:** I'm sorry. So are you saying that this --

25 **MS. HURST:** Your Honor, I've been handed a note. I

1 correct that. It is all ME. My apologies.

2 **THE COURT:** All right. So ME, is it correct that what
3 Mr. Van Nest told me, that ME only had -- I don't know where I
4 wrote it down -- 10 APIs, not 37?

5 **MS. HURST:** That's correct, Your Honor. ME had -- is
6 a subset of the SE packages. And as the Federal Circuit noted
7 in its position -- in its opinion, is a derivative work of SE.
8 And he did have --

9 **THE COURT:** I don't doubt that. But my point is that
10 it seemed to me that Mr. Van Nest was making the point, and in
11 turn I make the point with you and ask for your response, which
12 is that if it only had 10 APIs and if you're otherwise arguing
13 how great these 37 were and how desperately the smart app --
14 smart phone app developers needed the 37, then how could you
15 ever pretend that 10 were going to get you anywhere?

16 **MS. HURST:** Well, Your Honor, this goes to the two
17 different assumptions which support the projected performance
18 here.

19 One is that feature phones would not decline as rapidly in
20 the absence of Android. But the other is that Sun would
21 improve its platform and that it would capture a share of the
22 smart phone market. And --

23 **THE COURT:** But to do that it would be going beyond ME
24 then. It would be in some other way, not disclosed in this
25 document, Sun was going to get into the broader smart phone

1 market.

2 **MS. HURST:** That's right. And there are other
3 internal strategy documents at the time, Your Honor, that
4 Mr. Malackowski relies on, that talk about their plans to
5 basically merge ME and SE together into new profiles with
6 greater capabilities in the form of what they call various
7 projects at the time, JavaFX and also JavaOne.

8 **THE COURT:** Show me one good example of that, of such
9 an email or document.

10 **MS. HURST:** One moment, Your Honor.
11 Your Honor, I'm handing up deposition Exhibit 1579, the
12 Java and Wireless Business Review.

13 **THE COURT:** Okay.

14 **MS. HURST:** And, Your Honor, I will point you to --
15 one moment -- the page 11 of the presentation.

16 **THE COURT:** Bates number?

17 **MS. HURST:** Ending in 152, Your Honor.

18 **THE COURT:** Okay. Okay. Strengthen -- says,
19 "Opportunity: Strengthen and enhance Java to win."

20 Bullet point: "Take Java to the center stage of mobile
21 services."

22 Sub bullet point: "One consistent platform on feature and
23 smart phones. A modernized Java Language and tools. Java is
24 first citizen with visibility at the phone top level. Embrace
25 the browser instead of resisting it."

1 Next bullet point: "Move Sun up and into the value
2 chain." Et cetera, et cetera.

3 The next big bullet point: "Leverage Java as the platform
4 for future CGS growth."

5 What does CGS mean? CGS?

6 **MS. HURST:** Client Services --

7 **THE COURT:** Group.

8 **MS. HURST:** -- Group.

9 **THE COURT:** Okay.

10 "Drive recognition of Java as the hidden gem already on
11 most phones."

12 All right. So --

13 **MS. HURST:** And, Your Honor, there are other pages in
14 this presentation that talk about plans to improve Java, make
15 it more suitable for smart phones, work with the carriers and
16 the OEMs to enhance Java's position in the market and mobile
17 devices.

18 **THE COURT:** So let me see if I can restate your point
19 for a moment, or part of your point.

20 You're saying that, yes, it's true that Sun was initially
21 looking to use ME in the feature phone market, but at
22 approximately the same time documents show that Sun expected to
23 use Java more generally in smart phones. And so there might
24 have been a point where Sun migrated over to emphasizing smart
25 phones as the smart phone market took hold. And they lost out

1 on that opportunity. That's kind of what you're saying; right?

2 **MS. HURST:** Exactly, Your Honor.

3 **THE COURT:** So hold that thought and don't go
4 anywhere.

5 Let me ask, Mr. Van Nest, why on our record isn't that at
6 least plausible, that if Android wasn't on the scene at all --
7 let's come back to that assumption later.

8 But let's assume Android is not on the scene and Sun had
9 gone down the path with feature phones, and at some point, as
10 this '08 document indicates, they would have used Java more
11 generally to get into -- maybe with 37 APIs to get into the
12 smart phone market.

13 So that's at least plausible. It seems like these
14 documents support that idea. So why should we rule that --
15 rule that scenario out?

16 **MR. VAN NEST:** It's not a question of ruling the
17 scenario out, Your Honor. It's a question of whether there's a
18 basis in Malackowski's opinion to do a linear straight line
19 projection of the kind he did.

20 Android was already here.

21 **THE COURT:** Well, what do you think it should have
22 been? Exponential? Or do you think it should have been going
23 down? I mean, he's got to pick some number. He picked 8.3.

24 **MR. VAN NEST:** It's not what I think. What Dr. Kearl
25 and Dr. Leonard are both saying is that if you're now in 2015

1 or 2016, right, which is where we are now, you have data from
2 the years 2011, 2012, 2013. You need to do some analysis of
3 the circumstances that obtained in the market after 2010 to
4 determine whether this projection of 8.3 percent growth a year
5 was reasonable. And Malackowski didn't do that.

6 Now, I would tell you that I think this -- this slide deck
7 makes my point. This is all really speculation on their part.
8 They were aware of Android. And, more importantly, they were
9 aware of iPhone. Because at the time this was written,
10 iPhone was out and selling. And they knew that. And they
11 were also aware of Android. It had been announced. There
12 weren't any phones yet, but it had been announced.

13 And what they're saying here -- I mean, just look at the
14 verbs. "Take Java to the center. Move Sun up. Leverage
15 Java." These are all -- these are all sales goals/aspirations.
16 It's not the sort of economic analysis that one does if you're
17 going to take a contemporary projection for '9 and '10 and move
18 it out five years; right?

19 That's what the economists are saying doesn't meet the
20 standard for using a projection.

21 **THE COURT:** Well, what would be a proper way to do it?
22 Tell me how -- what is the proper --

23 **MR. VAN NEST:** The proper way to do it would be for
24 him to have looked and seen what other projections were
25 available, possibly take -- possibly take a blended average.

1 But, more importantly, look out and see what data is
2 available in 2010, '11, '12 -- we have all that data now -- and
3 make a more reasonable projection of what the world would have
4 looked like, knowing, as we now know, what it did look like.

5 We know what 2011, '12, '13, '14 looked like. And we now
6 know that it was completely unrealistic that Java ME would ever
7 get there.

8 Java ME, this little 10-API device, was never going to be
9 a smart phone. And they didn't have a plan for using Java SE
10 to get to a smart phone. They were talking about operating a
11 whole new platform.

12 And so it kind of proves my point. What the economists
13 are objecting to is using just this one isolated projection --
14 which we don't know much about, but we do know that it's
15 limited in time -- and projecting it out over that long period.

16 Obviously, back in our first trial in 2012, we were
17 looking at a much shorter period. And, as Your Honor observed,
18 okay, you go an extra year, 2011, it's a little harder to
19 object.

20 But now, now that we're in 2016 and he's trying to project
21 through 2015, it's just completely unreliable, as the other
22 experts have pointed out. And that's -- that's our objection
23 to it.

24 **THE COURT:** Let's pause for -- is it reasonable to
25 assume that Android and Google would not have been in the

1 market in some fashion? Let me just throw out a couple of
2 possibilities.

3 What if the Federal Circuit decision had come down
4 somehow, or at least Google had known what the Federal Circuit
5 decision was going to be back in 2007 or '8. I keep getting
6 confused. When did Android come out, again?

7 **MS. HURST:** The first phone came on the market
8 October 2008.

9 **MR. VAN NEST:** The --

10 **THE COURT:** When was Android -- when was the
11 announcement by Sun about the rockets?

12 **MR. VAN NEST:** 2007.

13 **MS. HURST:** November 2007.

14 **THE COURT:** 2007.

15 **MS. HURST:** November.

16 **THE COURT:** Let's say somewhere in 2007, Google could
17 see into the future and knew that what they were doing was
18 going to be held to be illegal. Why couldn't Google have just
19 rearranged the APIs so that they wouldn't use the same taxonomy
20 at all?

21 That would have confused the app developers. I'm sure
22 that that's true. So the app developers would be frustrated.
23 But nobody has a right to a function. And no one can claim a
24 copyright on A times B equals C or the square root of a number
25 or cube of a number, or any -- a functional thing cannot be

1 copyrighted. I hope everybody agrees with that.

2 Am I wrong about that in some way?

3 **MR. VAN NEST:** No, you're not.

4 **THE COURT:** Well, let's hear what Oracle says.

5 **MS. HURST:** Your Honor, if it is both expressive and
6 functional, then the expressive aspects are protected.

7 **THE COURT:** The expressive aspect.

8 **MS. HURST:** Yes.

9 **THE COURT:** Okay. All right. So it would have -- all
10 right.

11 **MS. HURST:** But there was no monopoly on the
12 implementing code. We agree with that, Your Honor.

13 **THE COURT:** I'm not talking -- I'm even talking about
14 the declaring code. And embedded within the declaring code is
15 a function, because the declaring code calls up these
16 functions. That's the whole purpose of a given method, is to
17 perform an operation.

18 So let's say that Google went through there and they
19 figured out a different taxonomy. And let's say they
20 identified every single expressive/creative aspect of the
21 declaring code. And so they preserved the method of operation,
22 but they wrote it in some other way so that they got totally
23 around the Federal Circuit decision.

24 It would have been possible to rewrite the code and still
25 perform all those functions, because nobody can get a copyright

1 on functions. The taxonomy, okay. Copyright. The declaring
2 code, okay.

3 But there has to be some way to have written it in an
4 alternative way. Otherwise, it's nothing but a method of
5 operation, which the law says can't be done. And I don't even
6 think the Federal Circuit disagreed with that part.

7 So let's say that Google figured all that out and rewrote
8 Android, those 37, so that it was still available but it got
9 the app developers confused. Well, maybe that means that
10 the -- that alternative would be noninfringing. The app
11 developers wouldn't like Android as much, and so they would not
12 have had all the apps that they started out with, but they
13 would have had some apps. It wouldn't be zero.

14 So how can we assume that Android would be a big fat zero
15 in the -- in this analysis? That's what Malackowski assumes,
16 is that there's no Android. And for that matter he assumes
17 there's not going to be any iPhone. So -- right?

18 So how -- explain that part to me.

19 **MS. HURST:** So, Your Honor, I'll take the hypothetical
20 that the Court has posed as Google writes a new API. So that
21 allows --

22 **THE COURT:** Using the Java Language.

23 **MS. HURST:** Using the Java Language. So it's allowed
24 to use the Java Language. It writes a new API.

25 I'm going to boil this down to two fundamental categories

1 of problems, which we'll be talking about in other context on
2 these motions as well.

3 The first is development time. And the second is, for
4 lack of a better word, ecosystem formation. All right.

5 **THE COURT:** Okay.

6 **MS. HURST:** On development time, Your Honor, the
7 evidence from Oracle's experts, which Mr. Malackowski relied
8 upon, will be that it took ten years for the Java API to become
9 stable, and that Google got an enormous head start, like an
10 8-year head start, out of being able to use a long invested,
11 tested and stable API.

12 So from a development time perspective, Your Honor -- and
13 there are Google documents which say this --

14 **THE COURT:** But they didn't take the whole API. They
15 just took the declaring -- the implementing code was all
16 original to Google or the work for hire.

17 **MS. HURST:** And I'm only talking about the declaring
18 code, Your Honor, and that stability analysis.

19 **THE COURT:** Okay. So the stability analysis just goes
20 to that. All right.

21 **MS. HURST:** Yes.

22 **THE COURT:** So really, it took ten years to get there?

23 **MS. HURST:** Yeah, it took --

24 **THE COURT:** For 6,000 methods?

25 **MS. HURST:** It took ten years to get there, Your

1 Honor.

2 And as, for example, Professor Kearl testified in his
3 deposition, the developers care more about the API than they
4 care about the implementing code, because the API is the thing
5 that they know and they use. It's the thing they rely upon
6 most frequently. They don't care about the implementing code.
7 They just need to know that it's going to work. And it's the
8 API that gives them access to that.

9 So the first problem is, for Google to write a new API is
10 going to put it out of its mobile window of opportunity. And I
11 have a whole bunch of evidence to discuss with the Court about
12 the window of opportunity, but basically they were beset at all
13 sides.

14 They had Microsoft breathing down their neck, who had a
15 search engine and was on mobile devices.

16 They had Nokia breathing down their neck, who was on
17 high-end mobile devices. And they had one of the three maps
18 databases in the world.

19 They had Blackberry breathing down their neck, which had
20 all the functionalities of the early smart phone. And that's
21 where Java was. Java was in Microsoft. Java was in Nokia. It
22 was everywhere.

23 And so, Your Honor, even if any one of those --

24 **THE COURT:** Can I stop you?

25 **MS. HURST:** Yes.

1 **THE COURT:** When you say "Java was in there," you just
2 mean the Java Language. You're not saying the APIs were in
3 there, are you?

4 **MS. HURST:** No, I'm saying the APIs, Your Honor. The
5 software application framework for Java was in all of those
6 devices.

7 **THE COURT:** All right. So those people had
8 licenses --

9 **MS. HURST:** Exactly.

10 **THE COURT:** Okay.

11 **MS. HURST:** Exactly. And so if any one of those had
12 succeeded to a significant degree, either knocking Android out
13 of the market entirely because of the delay, or, you know,
14 capturing a significant share of what was a greatly expanding
15 market, if any of those things had happened, then Sun would
16 have still received a substantially increasing portion of
17 revenues from the mobile phone market.

18 Your Honor, on the eco -- so there's a huge problem with
19 their time to development with writing a new API. And, by the
20 way, if faced with that Federal Circuit decision in 2007, they
21 decided to do the right thing, then of course we would have
22 gotten licensing revenues as well.

23 **THE COURT:** Well, if they had gotten licensing
24 revenue, why isn't that just the answer? We impose a licensing
25 revenue. That's the lost profits.

1 **MS. HURST:** Your Honor, that could be a method of
2 calculation. It is not the one that Oracle is offering.

3 And the reason for that -- which I'm sure we'll discuss
4 throughout these two days -- is that there is a Circuit split
5 on the hypothetical license theory of actual damages. And four
6 Circuits say there is no such thing in copyright. And other
7 Circuits say there is such a thing in copyright.

8 And Professor Patry, his treatise -- he went and worked at
9 Google, his says there is no such thing as a hypothetical
10 licenses measure of damages.

11 We don't want to offer a measure of damages that might end
12 up getting knocked out at the Supreme Court.

13 **THE COURT:** I'm sure Google would welcome with open
14 arms such a theory; right?

15 **MS. HURST:** Well --

16 **MR. VAN NEST:** Of course.

17 **THE COURT:** Would you object to that theory?

18 **MS. HURST:** I don't know that the --

19 **THE COURT:** You run no risk on --

20 **MS. HURST:** I don't know that they would, Your Honor,
21 because Professor Kearl's calculation of hypothetical license
22 damages in his first report would lead us to a \$6 billion
23 damages number today. \$6 billion. He --

24 **THE COURT:** The licensing fees would be --

25 **MS. HURST:** Professor Kearl's hypothetical license

1 damage calculation was -- in his first report, was based on
2 20 percent of advertising revenue, and some other elements as
3 well.

4 He said Google would have paid that for any elements of
5 the IP portfolio. And he had a projection even back then, Your
6 Honor, that the revenue we would be at today would be
7 44 billion, which is frankly not far off the mark of where we
8 actually are. And that was a \$6 billion number.

9 So, Your Honor, nobody was avoiding hypothetical license
10 here because it would come up with unacceptably lower numbers.
11 There were absolutely huge numbers in the case based on
12 hypothetical license.

13 But there's a Circuit split about whether this is an okay
14 measure of damages.

15 **THE COURT:** Well, what does our Circuit say?

16 **MS. HURST:** Our Circuit says it's okay, as of last
17 year or the year before, in the *Oracle vs. SAP* case.

18 But, Your Honor, we don't have to go there because --

19 **THE COURT:** I don't understand why you say there's a
20 Circuit split. You mean you're worried the Supreme Court might
21 take the case --

22 **MS. HURST:** Yes.

23 **THE COURT:** -- and resolve the Circuit split?

24 **MS. HURST:** You're right. Yes, Your Honor. And I'm
25 sure Google wouldn't have waived its right to argue --

1 **THE COURT:** Well, you could then -- Mr. Van Nest has
2 made a binding concession. I assume -- well, let me just make
3 sure.

4 Is it true that Dr. Kearl said that number would come out
5 to \$6 billion?

6 **MR. VAN NEST:** No, that's not true, Your Honor.

7 **THE COURT:** Well, what is your view on that point?

8 **MR. VAN NEST:** My view on that point, Dr. Kearl is
9 talking about a total portfolio license; patents, copyrights,
10 all of the rights that go along with Java. And he is basing
11 that on, you know, the entirety of the Java platform; not
12 copyright of SSO in any way, shape, or form.

13 The reason they've moved away from that --

14 **THE COURT:** Wait, wait, wait. Is that, what I heard,
15 true?

16 **MS. HURST:** I don't think so, Your Honor. I'm finding
17 the paragraphs right now.

18 Professor Kearl's -- and he confirmed this in his
19 deposition. His original report said they would have paid this
20 for any element of the intellectual property. And the reason
21 is because they were all gating items, Your Honor. It didn't
22 matter which one. They needed the protection of all of them,
23 and that meant they needed to pay for any of them.

24 **THE COURT:** You mean one little thing, as long as it
25 was a showstopper, they would have paid that much money?

1 **MS. HURST:** I'm sorry, Your Honor.

2 **THE COURT:** I don't know the answer. I would be
3 interested to know.

4 Dr. Kearl is here. I don't want you to say, "I believe."
5 I want to know categorically what you said.

6 Can you answer that question now, Dr. Kearl?

7 **DR. KEARLE:** I can.

8 **THE COURT:** All right. Why don't you come up here and
9 tell us what we're -- so we don't have to debate what you said
10 once before. But don't guess at what you said once before.
11 And don't give us a new opinion. We just want to know what you
12 said once before. All right?

13 Dr. Kearl, welcome. Please tell us the answer.

14 **DR. KEARLE:** The 20 percent was for the entire
15 portfolio of Java IP as negotiated in the -- what was the first
16 phase of this trial, the so-called \$100,000 offer -- the
17 \$100,000,000 offer. The apportioned value from that for the
18 copyrights was four-tenths of a percent.

19 There is -- you had ruled as a matter of law that you had
20 to apportion. There are three paragraphs in my first report in
21 which I begin by saying, "The law may be this" -- because I had
22 already known you had struck it -- "but here's a way of
23 thinking about this negotiation for this entire portfolio."

24 And my way of thinking about it is freedom to operate.

25 And I think one of the parties moved that those two

1 paragraphs be struck, and you struck them. So that -- that was
2 not part of my testimony. It was not part of my opinions. It
3 was simply something that I put in there relative to economics.

4 **THE COURT:** All right. So what I -- Ms. Hurst, what I
5 just heard was the 6 billion, even though it got struck later,
6 nevertheless, it was for the whole package of Java IP and not
7 just for the copyright. And, in fact, Dr. Kearl said that
8 there was some much smaller percentage that was attributable to
9 the copyright.

10 So what do you say to that point?

11 **MS. HURST:** All right. Your Honor, the three
12 paragraphs that Professor Kearl just referred to are the ones
13 in his original report before there was any motion practice,
14 which was what I was referring to, that make clear that the
15 freedom to operate meant that Google would have paid that
16 amount for any item in the portfolio.

17 Now, in reality, we all know they would have bargained for
18 the entire portfolio as well. But they had to get any of the
19 gating items in the portfolio.

20 And here's what Professor Kearl said in his deposition, at
21 page 175, lines 3 through 9.

22 **MR. COOPER:** Is this his most current --

23 **MS. HURST:** Yes, current deposition.

24 **"Q.** In that case, you concluded that your license terms,
25 your numbers, were the equivalent of the option value for

1 any single item of intellectual property in the portfolio;
2 is that right?

3 "A. Yes. And I think Judge Alsup excluded that
4 paragraph."

5 So Professor Kearl's original hypothetical license
6 analysis, Your Honor, which is what I said, was 20 percent of
7 ad revenues for any single item under the freedom-to-operate
8 theory.

9 And, of course, any licensing expert would come and tell
10 you that they need to get all the items, and so they'll pay the
11 license value for any of them that they have to get as a gating
12 item to launch the platform.

13 And that, Your Honor, brings us to the second category of
14 items of why they couldn't just write a new Java IP, which is
15 the commercial circumstances, platform economics, and the need
16 to establish the ecosystem. And I will be happy to address
17 those points.

18 **THE COURT:** I want you to do that.

19 But, Dr. Kearl, what was the number -- you said that you
20 allocated within that 20 percent, you allocated a percentage to
21 the copyrights. Did I hear you right?

22 **DR. KEARLE:** It's four-tenths of a percent, as I
23 recall.

24 **THE COURT:** Four-tenths of a percent?

25 **DR. KEARLE:** Yes.

1 **THE COURT:** And was that in the same paragraph that
2 you referred to earlier are the first same three paragraphs?

3 **DR. KEARLE:** No.

4 If you look at my summary of opinions in the beginning of
5 my report in the first matter, the 20 percent does not appear.
6 What I did was to apportion consistent with directives you gave
7 to the experts in the matter.

8 I don't want to appear argumentative here at all, but it's
9 not clear that this report was filed before motion practice. I
10 had the advantage, in the first phase of this matter, that you
11 ruled on all the *Daubert* motions. And you had excluded the
12 option value theory and the freedom to operate theory. You had
13 excluded those in *Dauberts* before my report was filed.

14 The question was, in your original directive, you asked me
15 to give you my best economic advice. My counsel and I
16 discussed this and he said, That's what you were directed to
17 do; put it in.

18 So those three paragraphs were put in, understanding that
19 you had already ruled to exclude them. I understood that going
20 in. I just wanted to say, Here is how an economist would think
21 about this matter.

22 But the opinions that are set forth in the report do not
23 include those three paragraphs.

24 **THE COURT:** Where do those three paragraphs get
25 written out?

1 **DR. KEARLE:** What?

2 **THE COURT:** Where did they appear?

3 **DR. KEARLE:** They're in the report. But the summary
4 of opinions at the beginning does not reflect those three
5 paragraphs. I just -- I simply added, from an economic's
6 perspective, here's how you might think about this negotiation
7 over the \$100,000,000 --

8 **THE COURT:** But the four-tenths of a percent, where
9 did that appear?

10 **DR. KEARLE:** That is in my summary of opinions, and is
11 developed in the report itself.

12 **MR. COOPER:** That's paragraph 25 of his March 21, 2012
13 report, which was revised March 28, 2012, paragraph 25.

14 **THE COURT:** All right. Okay. I'm going to ask you
15 two to have -- to go back to your seat. Thank you.

16 And we're going to turn to the next subject. You have
17 something about ecosystems. Let's go to that point.

18 **MS. HURST:** Yes, Your Honor.

19 So back to where we were, in the lost profits analysis,
20 this is based on a lost licensing revenue. It's not based on a
21 hypothetical license.

22 In the lost licensing revenue the Court asked the
23 question, Couldn't Google have written a new API?

24 They could have written a new API. That was conceded
25 during the first trial. And that's part of the reason why this

1 API is copyrightable. It would have cost -- it would have
2 taken a long time to get it to the point where it was usable.
3 That's problem one. So they would miss their development
4 window.

5 The significance of missing their development window is
6 that other market players were chomping at their heels. All
7 right? So even just on that category, they may be out of the
8 market entirely and relying on their deal with Apple, which has
9 never been produced.

10 But, second of all, even if they had gotten a new API done
11 and brought it to market, then they had to establish the
12 ecosystem. That meant multiple things.

13 First, they needed to get the carriers to agree. The
14 carriers still had control over who could get on their network
15 at this point in time. And they didn't want just anybody
16 getting on their network because it was a network security
17 issue. So they had to be assured that it would be sufficient
18 to meet their requirements. And their requirements, at that
19 point in time, their commercial requirements were all based on
20 the Java API that they knew and loved that was in 80 percent of
21 the market.

22 Second, you had the OEMs. And the OEMs had to accept it
23 too. And the OEMs had a built-in set of applications that they
24 wanted preloaded on the phones that wouldn't be compatible with
25 this new API. And they would have to write their new

1 applications. Which, by the way, the carriers would as well.
2 They would have to accept that. And they would have to accept
3 the security of the new model offered by Google.

4 And they also were suspicious of Google. We will see this
5 at trial in Google's own documents. They didn't trust Google.
6 They thought it was a big player. They were nervous about it.

7 So they would have -- having missed that window.
8 Microsoft, Nokia, Facebook, Yahoo!, all these others nipping at
9 their heels had been convincing those OEMs and carriers to
10 accept this entirely new Java API which was going to obsolete
11 all their existing applications, which was untested, doesn't
12 know whether it was secure or not.

13 That's two of the elements of the ecosystem.

14 Then you've got to get the app developers on board because
15 you need the external app developers for the smart phone. And
16 they didn't know this new Java API.

17 So you had the 6 million developers and all their
18 programs, which the evidence is clear Google was trying to
19 exploit by using the existing Java API. And that just goes up
20 in smoke. So now you don't know what's going to happen. Are
21 those app developers going to sign on when, meanwhile,
22 Microsoft and Nokia and Facebook and Yahoo! have all come in
23 and are enjoying a much greater market position?

24 And then, Your Honor, there's the consumers. The
25 consumers need to know that they're going to find what they

1 want on this thing. And if you don't have the carriers and you
2 don't have the app developers and you don't have the networks,
3 you've got no consumers. And all the advertising revenue in
4 the world won't do you any good in that circumstance because
5 you don't have the eyeballs.

6 You need all those pieces in place before you can get to
7 the advertiser. Because the advertiser is paying for eyeballs.
8 And you can't get the eyeballs without the apps and the
9 equipment manufacturers and the carriers.

10 So they had two fundamental problems. First of all, they
11 needed the Java API because it was already done and dusted and
12 tested. It had credibility with everybody in the marketplace.
13 And it would accelerate their development efforts. And that's
14 the -- and the carriers required it.

15 That's what their documents say. I'm prepared to hand
16 those up when we start talking -- now or when we start talking
17 about disgorgement, Your Honor.

18 But, second, when they are out of their window and they're
19 dealing with a different Java API, they have huge ecosystem
20 problems.

21 So is it reasonable to think a modest 8 percent
22 year-over-year growth, in light of the explosion of the smart
23 phone market, when Java was already in the phones and was
24 moving up market in the smart phones -- and, Your Honor, at the
25 beginning of that forecast, the only smart phones in the market

1 were Blackberry. And Java was in them. Java ME was in smart
2 phones. At that point in time, there wasn't much difference
3 between feature phones and smart phones.

4 And so that is not an unreasonable assumption, Your Honor.
5 What the law requires for a lost profits calculation is
6 certainty in the fact of damage, and a reasonable approximation
7 of the amount. This is a reasonable approximation. They can
8 cross-examine, if they want, on it being extrapolated.

9 But Mr. Van Nest is absolutely wrong to say that what
10 Mr. Malackowski should have done is take into account actual
11 results during 2010, '11, '12, '13, and '14, because those are
12 years affected by the infringement, Your Honor. That can't be
13 right. You don't have to create your model for lost profits
14 out of years that were affected by the infringement. You get
15 to not have to take that into account when you're making a lost
16 profits calculation. It's the but-for world without the
17 infringement, Your Honor.

18 And it's clear, and the witnesses will testify, that Sun
19 and later Oracle were experiencing price erosion, dramatic
20 price erosion on the front end of the period when Android was
21 coming into the market and its ecosystem was being established.

22 And then at that point where they -- in Mr. Schmidt's
23 words in about August of 2010, he reported to the board of
24 directors of Google, "We have reached escape velocity about
25 Android." And it's at that point where you see Android just

1 crush Java the rest of the way out of the market.

2 And so, Your Honor, certainly Mr. Malackowski is not
3 required to take into account market results that are deeply
4 influenced by the infringement in making his projection.

5 The smart phone market exploded during this period of
6 time. It grew dramatically. These projections, in light of
7 where Java was in the market at the time, 80 percent, its plans
8 for moving forward, the fact that it had established licenses
9 for moving forward, that is a reasonable approximation of the
10 amount of damages, Your Honor.

11 **THE COURT:** What do you say -- it's a different issue,
12 maybe, on disgorgement. But, again, we're sticking with the
13 lost profits.

14 What do you say to the argument that Open JDK could have
15 been used? In other words, if Google had known in time that
16 the Federal Circuit was going to rule the way it did, it would
17 have backed up and done the Open JDK version and still been
18 able to use all 37 APIs and -- and using this classpath
19 exception.

20 So what's your -- how can you respond to that?

21 **MS. HURST:** Well, Your Honor, I believe my colleague
22 Ms. Caridis responded to it best the other day when she gave
23 the Court a number of documents showing that it was not a
24 timing issue as to why they didn't adopt Open JDK; that it was
25 a license incompatibility problem; that they believed the OEMs,

1 that crucial part of the ecosystem, would not sign on with that
2 license because it would mean that they could not keep their
3 competitive improvements to the platform proprietary. They
4 would have to give those back by publishing them. And their
5 competitors could see them. And that was the way they
6 innovated. That's the way Samsung competed with LG.

7 **THE COURT:** But you're not coming to grips with what
8 their -- the new argument is, that Google will now present a
9 lawyer who is a copyright licensing expert who says that --
10 she, I believe; right? Or he?

11 **MS. HURST:** He.

12 **THE COURT:** He. That he's looked at these classpath
13 exception. And he says that Google could have used it, just
14 sailed right through. It was a gigantic loophole. Could have
15 sailed right through and used all 37, and there would not have
16 been any of those problems.

17 Maybe it was a mistake of law, mistake of assumption. But
18 if they had known about the Federal Circuit opinion, they would
19 have figured that out.

20 And so just like you say, it's up to the jury to figure
21 out what would have happened in '11, and that they can go back
22 and rewrite history too and rewrite it to discover the
23 classpath exception.

24 So why isn't that still an okay way to go? If you can do
25 it, why can't they do it?

1 **MS. HURST:** Good question, Your Honor. One I thought
2 hard about and expected the Court to ask.

3 Here's the difference: A counterfactual assumption that
4 is completely refuted by the record cannot be offered.

5 And there's nothing that refutes Mr. Malackowski's
6 counterfactual assumption here. There's plenty of evidence to
7 support it. Sure, they can cross-examine about it.

8 The counterfactual assumption about the Open JDK, Your
9 Honor, is a decision that they actually did make at the time.
10 And all the evidence about that decision that they actually did
11 make at the time is that they rejected it. Now --

12 **THE COURT:** Well, but did they really -- give me your
13 best document on that again.

14 **MS. HURST:** Gosh, Your Honor.

15 **THE COURT:** I don't have it out here.

16 I'm sorry. Too many documents in this case.

17 **MS. HURST:** I knew we should have filed those after
18 the hearing, Your Honor. I apologize.

19 **THE COURT:** It wouldn't do any good right now. I need
20 to actually see it in my hands right now. But is that really
21 true, that -- here's another thing I want to know. I'm going
22 to raise it. And that is, I think maybe I should order Google
23 to give me the attorney-client documents that they withheld
24 that relate to JDK, to see if they're trying to take a position
25 now that the lawyers told them at the time could not be taken.

1 I'm going to review that in camera.

2 I'm going to ask you to comment on that in a minute.

3 Because I do think, at a minimum, Oracle has presented
4 evidence from which a jury can conclude -- okay. I've got all
5 those Open JDK documents here.

6 You want me to hand you back what you handed up the other
7 day?

8 **MS. HURST:** Sure, Your Honor. And let me say --

9 **THE COURT:** If I've got any handwritten notes, just
10 ignore them. But find the one in there that you think is the
11 best example.

12 **MS. HURST:** And, Your Honor, while I'm looking at
13 those -- and I'm not sure this is every single document we have
14 on the subject -- I do want to make this point as well: They
15 did know the APIs were copyrighted and they went ahead anyway.
16 They knew they needed a license.

17 **THE COURT:** Well, they knew that the implementing --
18 isn't it -- look. One way to look at this record is this: And
19 I'm not sure if Google actually argues it this way or not, but
20 there were negotiations with Sun. They fell through. Google
21 went back and figured out, well, okay, we can get around this
22 by writing our own implementing code and the declaring lines of
23 code; they're not copyrightable.

24 And no one outside the Seventh Circuit had ever heard that
25 a taxonomy could be copyrighted anyway. That word had never

1 been used by the Ninth Circuit. So, you know, they might have
2 in good faith concluded that that was okay, that that was a
3 plausible way to go.

4 All right. So then later on they find out from the
5 Federal Circuit, no, you were wrong. But at the time maybe --
6 so if they had known at the time, they would have. And if the
7 internal documents show that Open JDK was a possibility --
8 you're telling me that they ruled it out. But when we went
9 through it the other day, I don't -- show me where they ruled
10 it out categorically, even where if what they're doing was
11 illegal.

12 **MS. HURST:** So --

13 **THE COURT:** I don't think they went that far. Show me
14 your best document.

15 **MS. HURST:** All right. So one moment, Your Honor,
16 because that was not the focus of the presentation the other
17 day.

18 But let me say two things about that point while we're
19 getting our stuff.

20 First, Mr. Rubin wrote a document that said the java.lang
21 APIs are copyrighted. He's not talking about the implementing
22 code.

23 **THE COURT:** How do you know? To me it would be the
24 implementing -- it would be the whole thing, the implementing
25 code, the declaring code, everything.

1 **MS. HURST:** Because the API specification, Your Honor,
2 was licensed separately at the time. And that was only the
3 declaring code. And that's what they were talking about.

4 Do we have to get that spec license? We're going to do
5 our own --

6 **THE COURT:** Well, did he say that in his deposition?
7 Was he asked that question?

8 **MS. HURST:** I'll find out, Your Honor.

9 **THE COURT:** If he did, that would be pretty good.

10 **MS. HURST:** But, in addition, Your Honor, we have the
11 Apache document. And they --

12 **THE COURT:** Well, that's Apache. That's the guy who
13 said, We're doing something illegal.

14 **MS. HURST:** And that guy went and worked at Google two
15 years later. So by the time he was there, which is 2010, which
16 is before this lawsuit was even filed --

17 **THE COURT:** But after the launch, after they were
18 already in the market, some guy -- some guy goes to Google who
19 two years earlier he said it was illegal. Is that enough to
20 say that at the time they knew it was illegal?

21 **MS. HURST:** Yes.

22 **THE COURT:** Oh, come on. No.

23 **MS. HURST:** Yes, because they did know. Which, we'll
24 get the documents. But, also --

25 **THE COURT:** But what you told me is not enough. It

1 would maybe draw an inference, but it's not enough to prove it
2 as a matter of law sufficient to knock out somebody's expert
3 opinion.

4 **MS. HURST:** All right, Your Honor. Let me go back --

5 **THE COURT:** The other day you showed me better
6 documents. So show me -- show me some of these documents that
7 ruled out JDK.

8 **MS. HURST:** All right.

9 **THE COURT:** Isn't that Ms. Caridis?

10 **MS. HURST:** That is Ms. Caridis, Your Honor.

11 **THE COURT:** Why don't you help her -- I gave there the
12 file of documents that you showed me the other day. And I
13 don't have them organized in any way. But maybe you can find
14 the one that was -- just help me remember.

15 **MS. HURST:** So Ms. Caridis is going to help me
16 organize those, Your Honor. Meanwhile, I am going to -- they
17 found the document for me that said the java.lang APIs are
18 copyrighted.

19 **THE COURT:** Read that and tell me the date on that.
20 Just read that out loud and tell me the date. Read it slowly.

21 **MS. HURST:** Sure. Your Honor, it's -- hold on one
22 second. It's Trial Exhibit 18. An email sent -- an email
23 exchange between Mr. Greg Stein and Mr. Andy Rubin, dated
24 March 24th, 2006.

25 Mr. Stein says:

1 "Andy, Chris DiBona said you're the right person to
2 talk to about our J2ME plans with Sun."

3 And he goes on to talk about how they want to try to
4 create an open source J2ME.

5 Mr. Rubin says:

6 "I don't see how you can open Java without Sun, since
7 they own the brand and IP. Happy to talk."

8 Mr. Stein says:

9 "Oh, they have a plan for that. The ability to call
10 it Java is simply a matter of passing the J2ME TCK, as I
11 understand it."

12 And that's the compatibility requirement associated with
13 the spec license, Your Honor.

14 Mr. Rubin again replies:

15 "Ha, wish them luck. Java.lang APIs are copyrighted.
16 Sun gets to say who they license the TCK to and forces you
17 to take the shared part, which taints any clean-room
18 implementation."

19 Now, that reference to "clean-room implementation," Your
20 Honor, that's the implementing code. So what Mr. Rubin is
21 saying right here in this email is, you can't go do a
22 clean-room implementation, because the java.lang APIs are
23 copyrighted.

24 Mr. Rubin knew this, Your Honor. And he had taken a
25 license at Danger when he was there. He knew Sun's position

1 was that the java.lang APIs are copyrighted. Here he is in his
2 own words adopting that view.

3 And then you have the folks at Apache saying, the API --
4 copyright on the API is hard to ignore. What we're doing is
5 illegal and Android is illegal.

6 Those people were all working together. Google got the
7 code from Apache. That was a joint project, Your Honor. They
8 understood what they were doing was illegal.

9 **THE COURT:** All right. But what has that got to do
10 with JDK and the classpath exception?

11 **MS. HURST:** Good question, Your Honor.

12 I think you asked me why there's a difference between the
13 assumptions that Mr. Malackowski is making and what we're
14 saying Mr. -- Dr. Leonard can't do, which is rely upon the
15 counterfactual with Open JDK. And I said they couldn't use GPL
16 because the OEMs would not accept it. And they had business
17 circumstances that made it impossible for them to use.

18 And then I believe the Court asked me, well, Mr. Hall
19 comes and says that's not right. Now, today, he looks at the
20 license and says, well, they had their interpretation wrong.

21 And I'm explaining to the Court that you can't use a
22 counterfactual that is refuted in the record, Your Honor.

23 **THE COURT:** But show me where the JDK -- where they
24 did refute using Open JDK.

25 What you were referring to even -- even in the -- what

1 was -- was not talking about Open JDK in the classpath
2 exception.

3 **MS. HURST:** All right. Your Honor, I'm going to hand
4 back up to the Court --

5 **THE COURT:** I want to get back that folder, so
6 don't --

7 **MS. HURST:** Yeah, we're going to get it back to you,
8 Your Honor. Don't worry. It's coming back.

9 Oracle Exhibit 112 at the deposition of Mr. Bornstein
10 where he said:

11 "It's not about timing so much as details. The
12 licensing that Sun is using for both SE and ME are
13 incompatible with Android's needs."
14 And that's Exhibit 112, Your Honor.

15 **THE COURT:** Okay. Let me see what.

16 **MS. HURST:** And then let me have that depo excerpt.
17 And then this is Bornstein; right?

18 **MS. CARIDIS:** This is --

19 **THE COURT:** This is in '06, November '06.

20 "I forgot to ask you the other day, will Sun's recent
21 announcement about open sourcing Java happen soon enough
22 to benefit Android?"

23 Response from Bornstein:

24 "It's not about timing so much as details. The
25 licensing that Sun is using for both SE and ME are

1 incompatible with Android's needs. I'm happy to talk
2 further about it in person."

3 But, see, that's not -- the licensing that Sun is using
4 for both SE and ME, that's -- we're talking about, I thought,
5 Open JDK.

6 **MS. HURST:** Yes, Your Honor. And that's what that's
7 referring to. It wasn't called Open JDK yet, but it was the
8 open-source version.

9 So if you look at the subject line in the email, there's a
10 reference to open source.

11 **THE COURT:** Well, all right. Maybe. You can draw the
12 inference from this that they -- somehow in '06 they knew all
13 about the classpath exception. But it doesn't call that out
14 and specifically analyze it.

15 **MS. HURST:** There are other documents that do, Your
16 Honor.

17 **THE COURT:** All right. Show me a good one --

18 **MS. HURST:** Sure.

19 **THE COURT:** -- that says classpath exception won't get
20 us where we need to be.

21 **MS. HURST:** All right. Let me -- can I hand up this
22 piece of testimony that doesn't -- it just says we can't use
23 GPL code? Hold on. And then I'll find one that says classpath
24 exception.

25 This is Mr. Bloch's testimony. And it's about deposition

1 Exhibit 215. It was an email he was on. This is at page 206,
2 lines 8 through 21.

3 "Q. You write on December 7, 2009, 'Jessie, eww, you put
4 your hand into the buzz saw.'

5 "A. Uh-huh.

6 "Q. Josh, why did you write that?

7 "A. Because he mentioned sort of a verboten topic.

8 "Q. What was the verboten topic?

9 "A. Using Open JDK instead of Harmony in Android.

10 "Q. Why did you regard that as a verboten topic?

11 "A. Because I had heard it discussed before. And quickly
12 the discussion would always end with, you know we can't do
13 that. Our partners can't use GPL code other than the
14 Lennox kernel itself."

15 And that was the testimony, Your Honor. So now I'm going
16 to find the one that says -- oh, I'm so sorry.

17 **THE COURT:** We'll get it. It's all right. We'll get
18 it at the break.

19 **MS. HURST:** All right. I'm sorry, Your Honor.

20 **THE COURT:** It's okay.

21 **MS. HURST:** The lawyer-advised consensus. That means
22 they knew the terms of the license, Your Honor.

23 Let me just find -- do we have that one in here?

24 **THE COURT:** You said you were going to give me one
25 that says open path is not good enough. Get as close as you

1 possibly can to it.

2 **MS. HURST:** All right. Your Honor, here is
3 Exhibit 156, which makes clear that they understood it was GPL2
4 plus classpath exception. It refers to that specifically.
5 This is Trial Exhibit 156, between Mr. Boies and Mr. Turner.
6 And the Android team is copied.

7 **THE COURT:** Okay. Wait. Let me look at it. This is
8 '06.

9 "Here is the current word: Unmodified GPL2 for our
10 SE, ME and EE code. GPL2 plus classpath exception for the
11 SE libraries." And then it goes on with more explanation.
12 And third paragraph:

13 "I would be happy if we can just drop in their
14 libraries, but still not sure it's compatible with their
15 licensing choices."

16 So it's just from someone named Cedric to David Turner.

17 **MS. HURST:** And then --

18 **THE COURT:** And then Turner says on -- maybe same day:

19 "Very frankly, I wouldn't be surprised if the
20 classpath exception did not cover ME. There are millions
21 of royalties to be made in cell phones, set top boxes and
22 even Blu-ray players, including the PS3. Yes, all
23 interactive features of Blu-ray require a JVM along with
24 the standard J2ME class libraries. Though, I doubt it
25 would be enough to pay back their investments in Java in

1 less than 20 years."

2 So what's your interpretation of this?

3 **MS. HURST:** Your Honor, that document I'm offering for
4 the proposition that they understood what the licenses were at
5 the time that they were having these exchanges internally about
6 whether they were acceptable or not. That one is copied to the
7 whole Android team.

8 And, Your Honor, as Ms. Caridis mentioned the last time
9 when we were here on this, Sun announced what licenses it was
10 going to be using, even though it wasn't called Open JDK yet.
11 They announced it. Everybody understood which versions they
12 were using. That was publicly available on the Sun website in
13 a document called an FAQ. You know, frequently asked
14 questions. And it said, we're going to use GPL Version 2 for
15 ME and with classpath exceptions for SE.

16 Is that right? Yeah.

17 And so, Your Honor, all these emails, they understand
18 exactly what the licensing scheme is going to be. And now here
19 we are a year later, Your Honor, on this next one, Trial
20 Exhibit 415, February 26, 2007, Mr. Bornstein, who's the tech
21 lead for Dalvik and the core libraries in the Android stack,
22 says -- and I'll hand this up. I highlighted it for the Court.

23 "We talked about using GNU Classpath." That's the
24 classpath exception. "But we ended up deciding against
25 it. On the licensing front, although classpath would

1 probably be okay in my opinion, the lawyer-advised
2 consensus is that there is potential for trouble."

3 So this was not -- they got legal advice on this, Your
4 Honor.

5 **THE COURT:** But what does "potential for trouble"
6 mean?

7 **MS. HURST:** So, Your Honor, here was the thing about
8 the viral effect of GPL: Nobody wanted to take any kind of a
9 risk that their code could get under it and then they would
10 have to publish it. It was like a doomsday scenario to get
11 under that viral provision. And so nobody wanted to get
12 anywhere near it. They needed to know that they didn't face
13 that risk.

14 And so this was the kind of situation where the lawyers
15 would tell clients: I can't give you a clean bill of health on
16 this. And if you don't have a clean bill of health, I can't
17 guarantee that some day you're not going to have to publish
18 that source code.

19 Nobody, none of those equipment manufacturers wanted to
20 take that risk. And Mr. Rubin testified to that in his
21 deposition. And he made a public interview about Samsung, in
22 October of 2008, when he said, quote, "The thing that worries
23 me about GPL" -- I just lost it here.

24 Ms. Caridis, can you come back and help me? Where did it
25 go?

1 "The thing that worries me about GPL is this: Suppose
2 Samsung wants to build a phone that's different in
3 features and functionality than one from LG. If
4 everything on the phone is GPL, any applications or user
5 interface enhancements that Samsung did, they would have
6 to contribute back," Rubin said.

7 "At the application layer" -- which is what we're
8 talking about here, Your Honor. He says, "At the
9 application layer, GPL doesn't work."

10 Now, Your Honor, we have a lot of documents --

11 **THE COURT:** But he doesn't say GPL with classpath
12 exception won't work.

13 **MS. HURST:** No, but he's talking about Google's
14 decision to offer their -- their platform under the Apache
15 license. And when they -- are you going to get this for me,
16 the blog post?

17 When they released that decision in November of 2007, when
18 they released the SDK, they released the Android development
19 kit for the first time. They said we chose Apache over GPL
20 Version 2 and they linked that to an article explaining the
21 benefits of Apache over GPL Version 2. And the article says
22 right in it, Your Honor, "We couldn't use GPL Version 2 because
23 it would be unacceptable to the handset manufacturers."

24 This is a consistent story that they told throughout all
25 of their documents and interviews and testimony. It's

1 absolutely consistent, Your Honor.

2 And what is not present before the Court is any single
3 iota of evidence from Google to the contrary. Not a single
4 iota of evidence.

5 **THE COURT:** All right. Let me ask the other side a
6 couple of questions. Thank you.

7 Do I now have back all the --

8 **MS. HURST:** That is -- except for the one we dropped,
9 Your Honor. And I'm going to get it.

10 **THE COURT:** Okay. We'll deal with that at the break.
11 All right. I have two questions for Mr. Van Nest. Then
12 we're going to take a short break.

13 One is -- in fact, I'm just going to ask you-all to -- by
14 tomorrow evening, at 5 o'clock, to submit briefs on whether or
15 not I can, in aid of ruling on this motion, require Google to
16 show me in camera, without showing the other side, the lawyer
17 advice that was given on the Open JDK point and the classpath
18 exception, and why that would or would not have worked, if
19 there are any such documents. But it looks like from the
20 privilege log there probably are.

21 But, anyway, the document that says "lawyer-advised
22 consensus" certainly indicates that Google had lawyers advising
23 it on that subject. So that's point one.

24 **MR. VAN NEST:** You want that by 5 o'clock, you said,
25 Your Honor?

1 **THE COURT:** Tomorrow.

2 **MR. VAN NEST:** Tomorrow.

3 **THE COURT:** Can you do that by then? I mean, it
4 sounds like -- I'll give you another day. But, you know, we're
5 on a train that is heading to May 9th. And a jury will be
6 sitting in that jury box over there. And I'm going to try by
7 then to have made most of the decisions. I can't promise I
8 will have made them all. But I -- so time is of the essence.

9 **MR. VAN NEST:** Understood. If you can give me another
10 day --

11 **THE COURT:** Okay. What is today?

12 **MR. VAN NEST:** Today is Tuesday.

13 **THE COURT:** You get until Thursday at 5 o'clock.

14 **MR. VAN NEST:** Can do. Can do.

15 **THE COURT:** How about you?

16 **MS. HURST:** That's fine, Your Honor. We can do it
17 too.

18 **THE COURT:** Both sides five pages.

19 All I'm interested in is the procedural question of, can I
20 make them disclose the privilege as a condition of trying to
21 argue this point? Because what if it turns out that the
22 documents were just categorical against, or if not categorical
23 advising against doing this, doing the classpath exception
24 thing, then that -- that would be troubling to me. And I would
25 like to know what the law says on this point, which I haven't

1 looked at yet.

2 There are several ways it could come up. One would be,
3 well, when the expert lawyer comes on the stand and says,
4 "Well, the classpath exception would be just dandy," wouldn't
5 it be okay for Ms. Hurst to say, "Well, that's well and good,
6 but have you looked at what they actually said at the time, the
7 lawyers actually said at the time?

8 "Well, no, I didn't look at that.

9 "Well, would it make any difference to you that they might
10 have thought it was illegal?

11 "Well, I don't know."

12 What's he going to say to that? There's no good answer to
13 that. So --

14 **MR. VAN NEST:** We'll get you a brief, Your Honor.

15 **THE COURT:** I'd like to see the briefs.

16 Question number two is -- and then my -- I just cannot
17 remember well enough now. You answered this question the other
18 day, I think. But maybe when we come back from the break, what
19 evidence could possibly be in front of the jury that would
20 indicate to the jury and from which the jury could reasonably
21 conclude that JDK was a viable option? And I'm talking about
22 the memos and the emails at the time in question. That the
23 Open JDK with the classpath exception would have been an
24 alternative way to go.

25 I've seen indicators in these records that it was not a --

1 not plausible; that the lawyers were advising against it. Or
2 at least there was a problem. But are there other documents
3 that we can look at where -- say something like this. And I'm
4 making this up. Open JDK is a viable alternative. "We could
5 have done that a year ago, but, in fact, we're so far now into
6 this other way, we'll just continue with the other way."

7 Even a statement like that would be of some plausible
8 benefit to show that it was an open question.

9 Anyway, try -- and what I'd like to have -- you know, the
10 real documents. You hand them up to me. Just hand them up to
11 me, and we'll go over them one at a time when we come back.

12 But what I'm not so interested in is the fact that you did
13 this way after the fact. The Open JDK that you -- you
14 announced last November, I'm not sure that's going to come into
15 evidence because of the delay. So don't -- don't try to
16 persuade me with that scenario.

17 But what you could persuade me with are documents from the
18 time in question that would indicate that Open JDK with
19 classpath exception was viable, and maybe there was a timing
20 issue, but -- that's what you keep telling me, it was a timing
21 issue. But that's just you talking. Where is the document
22 that says that?

23 All right. We'll take a 15-minute break.

24 **MR. VAN NEST:** Thank you, Your Honor.

25 **MS. HURST:** Thank you, Your Honor.

1 (Recess taken from 8:02 a.m. to 9:39 a.m.)

2 **THE COURT:** Okay. Let's hear the answer from Google.

3 **MR. VAN NEST:** Excuse me, Your Honor. I apologize.

4 **THE COURT:** All right. Ready to go?

5 **MR. VAN NEST:** Ready to go.

6 **THE COURT:** All right.

7 **MR. VAN NEST:** I don't have today an internal Google
8 document that says something like the one you posed, but we
9 will look and see what there is.

10 A couple of points, though. First of all, when the
11 documents that you saw earlier were discussed by Mr. Kwun last
12 week, and one of the things that came through was that the
13 issue in '06 was, what exactly was Sun going to do, and what
14 license terms would apply to what license, to what version of
15 Java?

16 In '06, Google was considering using Java ME as the basis
17 for Android. And that was shown in the document that Mr. Kwun
18 held up, the slide deck. And, of course, Java ME doesn't have
19 a classpath exception. It wasn't ever released with a
20 classpath exception. Doesn't have it still today. It's
21 Java SE that has classpath.

22 The documents that do exist from Sun, at the time they
23 released Open JDK, make clear that you can do exactly what
24 Google is now doing with Open JDK. There was an FAQ. And it's
25 quoted in Mr. Hall's report. I'll hand it up in just a minute,

1 Your Honor.

2 But they were asked: "What license did you choose for
3 Open JDK?"

4 And their answer is: "GPL Version 2 for the virtual
5 machine." So, of course, the virtual machine doesn't have the
6 exception. "And GPL Version 2 plus classpath exception for the
7 class libraries." That's what we're talking about in our case.
8 "And those parts of the virtual machine that expose public
9 APIs."

10 "What is the classpath exception?" is the question.

11 "The classpath exception was developed by GNU classpath.
12 It allows you to link an application available under any
13 license to a library that is part of software licensed under
14 GPL Version 2" -- and here's the key language -- "without that
15 application being subject to the GPL's requirements to be
16 itself offered to the public under GPL."

17 So they're explaining that you can link to Java SE without
18 exposing your additional software elements to the requirement
19 that they be offered back.

20 And then they're asked: "Why did you choose this
21 licensing method?"

22 "Well, this is the licensing paradigm in common use within
23 free software communities. We consciously chose the same
24 licensing method so there would be no temptation to
25 second-guess Sun's intention to make its SE implementation

1 available under a genuinely free and open license, and to allow
2 easy collaboration," et cetera, et cetera.

3 **THE COURT:** What is the document number, exhibit
4 number?

5 **MR. VAN NEST:** This is the FAQ, which was originally
6 posted -- I have -- I have a Bates number, but I'll give you a
7 document number. The Bates number is GOOGLE 221 and 316. I'm
8 reading from -- from an excerpt of it here in the Hall report.

9 So I would also remind Your Honor --

10 **THE COURT:** What was the date of the FAQ?

11 **MR. VAN NEST:** It's in June -- it's sometime in 2006.
12 It was announced at JavaOne 2006 2006. It was sometime shortly
13 thereafter.

14 **THE COURT:** Well, if that was known back in 2006, then
15 why did Google write those emails that said that it was
16 problematic?

17 **MR. VAN NEST:** Well, because it wasn't clear -- as you
18 noted in the emails this morning, it wasn't clear what license
19 would apply to Java ME. And at the time that this was
20 announced, what Google was looking at in terms of using in
21 Android was Java ME. And ME never got the classpath exception.

22 Now, as it turns out, what Google ultimately used in --
23 with respect to these 37 APIs, of course, is Java SE. And
24 Java SE, when the Open JDK was published a year later with all
25 the source code, the implementing code, then Java SE did come

1 out with classpath exception.

2 Mr. Ellison and others testified in the trial that GPL
3 would have been available to Google for use. Mr. Ellison was
4 asked point blank, Would the Open JDK license had been
5 available to Google back at that time? And he said absolutely.

6 So it -- I'm looking for a document, Your Honor. And I'm
7 looking for a non-privileged document that discusses --

8 **THE COURT:** It doesn't add up, though. Something
9 doesn't add up to me here.

10 All right. So you say that whenever the FAQ came out,
11 Google was considering ME.

12 **MR. VAN NEST:** Right.

13 **THE COURT:** All right. But at some point you switched
14 from ME to SE. And when was that?

15 **MR. VAN NEST:** Sometime in 2007, I'm sure.

16 **THE COURT:** Okay.

17 **MR. VAN NEST:** Because we saw -- we saw the Noser --
18 we saw the Noser email, which directs Noser to help us write
19 code for Android. And that's in the spring, March or so of
20 2007.

21 **THE COURT:** So --

22 **MR. VAN NEST:** So at some point -- but -- but let's
23 remember you've got -- you've also got the complexity, which we
24 saw the other day, that the DVM, the virtual machine, also was
25 not subject to the classpath exception.

1 And, you know, when the parties were negotiating, the
2 whole idea for Google -- as you've observed, and you're right,
3 the whole idea for Google was to avoid having to do all the
4 implementation codes and everything else, and get the virtual
5 machine and all the implementing code and the Java Coffee Cup
6 and all that, get all that from -- from Sun so you didn't have
7 to do everything yourself. And, of course, that never
8 happened.

9 Now, the virtual machine, I'm not sure it ever came out
10 with a classpath exception. So we developed the Dalvik virtual
11 machine, which was the subject of the patent claims last time.
12 And now we have an even newer and different version than that.

13 But I think our showing on this subject would be through
14 their witnesses, like Simon Fipps, who was there at the time at
15 Sun, like Mr. Schwartz, who would be a witness in this trial,
16 like Mr. Ellison, who conceded that Open JDK was out there.

17 And the documents will largely be Sun documents. Now,
18 there may be some inside Google and we're looking to see what
19 we have.

20 **THE COURT:** Look. I want you to stick with the inside
21 Google story. And I still don't see what was going on in the
22 mind of Google.

23 **MR. VAN NEST:** Well --

24 **THE COURT:** Wait, wait.

25 **MR. VAN NEST:** Excuse me.

1 **THE COURT:** Let me lay out for you the scenario that
2 troubles me, and see if you can answer it.

3 So the FAQ comes out in 2006. And let's assume that the
4 way you read it is totally consistent with and word for word
5 what Mr. Hall is going to say.

6 All right. So then when I ask, okay, at that point why
7 didn't you switch over and use Open JDK with the classpath
8 exception? the answer is, Well, at that time Google was going
9 forward with ME. So ME didn't have the classpath exception, so
10 we -- it didn't do us any good.

11 All right. I accept -- at least for the sake of argument,
12 I can see what you're saying there.

13 But by March of 2007, Google had made a switch and gone
14 over to SE. And I think we know that because of the -- I think
15 you called it Noser, the implementing code had been -- we're
16 going to do the implementing code for the APIs. So that was
17 SE, not ME.

18 So sometime in that time period between the FAQ of '06 and
19 March of '07, Google was no longer on the ME track. It was on
20 the SE track.

21 And at that point it would seem to me that somebody at
22 Google would be saying: Wait a minute. Wait. We don't have
23 to worry about hiring somebody to do implementing code. We can
24 just use the -- according to the FAQs, we can just go ahead and
25 use Open JDK for the library part. And then we'll develop our

1 own Dalvik machine like we were going to do anyway. But this
2 way we won't have to waste the time to do implementing code.
3 We can just use the tried and tested code, since it's all going
4 to be under the Open JDK classpath exception.

5 That's -- to me, that's a --

6 **MR. VAN NEST:** Your Honor --

7 **THE COURT:** To me, that's a gigantic problem with your
8 story.

9 **MR. VAN NEST:** There's a couple of missing -- there's
10 a couple of missing parts there.

11 **THE COURT:** All right. What am I missing?

12 **MR. VAN NEST:** One missing part is that they were --
13 as you know from the emails, they were evaluating how open
14 these licenses can be. And Apache, the license that Google did
15 elect, was well-known and supported by a lot of the business
16 community.

17 So, IBM was using Apache. I think Oracle, at that time,
18 was using Apache. Other big players were already on and using
19 Apache and comfortable with that license.

20 And Open JDK was brand, brand-new; right? And nobody was
21 supporting Open JDK at that point because it was brand-new.

22 So one of the things that we discussed the other day, I
23 think it's true, is that there was a discussion about which
24 license and which licensing protocol would be better.

25 As Your Honor knows, up and down the Android stack there

1 are different licenses. The GPL applies to some, and Apache
2 applies to others.

3 And so I think the bottom line was that Apache had the
4 support of the community. It was well-known. It was out
5 there. It was, sort of, tried, true and reliable. And that's
6 what they did.

7 And then, of course --

8 **THE COURT:** But Java SE was even more tried and true.

9 **MR. VAN NEST:** Not really. I mean, Java SE was not
10 in -- you know, hadn't been successful, as far as anybody knew,
11 outside of desktops and laptops; right?

12 Even Google, when they started looking at this, thought ME
13 might be better because it was smaller. It was the 10 API
14 version. But, of course, it turned out that was no good either
15 because it was too small and didn't have the capability.

16 So it's not that Java SE was not the greatest and latest
17 for -- for this. Sun tried to use it to build a smart phone
18 and failed. Oracle tried to use it to build a cell phone and
19 failed. And they gave up. And now, of course, they want
20 credit for Google's success. But --

21 **THE COURT:** You can make that argument. That's just
22 an argument for the jury. That's not going to get us anywhere.
23 I'm trying to understand the decision inside Google.

24 **MR. VAN NEST:** I think --

25 **THE COURT:** And I still don't buy what you're saying.

1 You're saying that -- had they already signed some kind of
2 binding contract with Apache --

3 **MR. VAN NEST:** No.

4 **THE COURT:** -- that precluded them --

5 **MR. VAN NEST:** No.

6 **THE COURT:** -- from considering an Open JDK?

7 **MR. VAN NEST:** I don't think so.

8 I think, though, that it was certainly the case that
9 Apache and the Apache license had been accepted by the business
10 community, and had supporters that were contributing to it,
11 including some big ones. And -- including Google as well.
12 And, therefore, because it was extremely permissive and there
13 was no risk at the time, anyone felt, of any sort of adverse
14 reaction --

15 **THE COURT:** Well, there's an internal document. The
16 guy says it's illegal, the guy who later came to work at
17 Google. So somebody felt it was illegal.

18 **MR. VAN NEST:** Well, but nobody -- perhaps he did. I
19 don't know. But I can tell you that none of the rest of the
20 world did. And certainly Sun didn't. Certainly Sun didn't.

21 **THE COURT:** Are you representing that none of lawyers
22 thought that? I don't think you're going that far, but you
23 should be clear --

24 **MR. VAN NEST:** I'm not going to disclose privileged
25 communication.

1 **THE COURT:** All right. So --

2 **MR. VAN NEST:** But I will --

3 **THE COURT:** What you just said is consistent with the
4 people -- the business people thought it was legal, but the
5 lawyers thought it was illegal.

6 **MR. VAN NEST:** I can tell you this: I asked Mr. Kwun
7 to look at their privilege log and documents immediately after
8 we got back last week. And there isn't any problem.
9 99 percent of what's on their log has nothing to do with this
10 issue. Nothing.

11 **THE COURT:** Whose log?

12 **MR. VAN NEST:** The log that -- our log. The log that
13 they were talking about last week.

14 **THE COURT:** Well, then maybe you can turn those over
15 and show -- prove to me there's absolutely nothing there that
16 would be a problem.

17 **MR. VAN NEST:** We'll certainly look at that as one
18 option, Your Honor.

19 But getting back to where I was, I think the answer is
20 that the Apache license was, A, permissive; B, acceptable; C,
21 well-known. And Open JDK was brand-new.

22 **THE COURT:** But, see, the way you phrase that is this
23 is lawyer reconstruction of what happened.

24 Surely there must be -- this is what I want you to look
25 and provide to me. Surely there must be, with all these

1 emails, somebody within the company at Google which says,
2 Remember those FAQs? They want -- they're allowing us to do
3 exactly what we want to do on the APIs. And we'll build our
4 own machine, Dalvik machine. But we want to use -- for APIs
5 we'll just use the classpath exception. And that's a home run
6 for us. We won't have to write anything. And we don't need
7 Apache.

8 **MR. VAN NEST:** Well, we will look. We will look.

9 **THE COURT:** But, see, what you're doing is trying
10 to -- I mean, I know you're going to have a better argument
11 than that for the jury because at some point the jury is going
12 to want to know what was the decision-making process within the
13 company to get to this point where you were actually writing
14 thousands of lines of implementing code rather than just go do
15 this easy thing, that you now say is easy, the FAQs.

16 **MR. VAN NEST:** I don't say it's easy. But compared to
17 8.8 billion it's easy.

18 It took several months to take Open JDK and modify it and
19 make it suitable for Android. It took several months of
20 engineering time. And, of course, back in the day where they
21 were well along with all of Android, nobody felt that, you
22 know, taking that path was a good one.

23 So, you know -- but, again, you're talking about
24 counterfactual, where we knew then what the Federal Circuit was
25 going to say many years later. And, as we all know, when we

1 did what we did, openly and publicly, Sun applauded it. And
2 Sun said this is one of the things that is rising on the tide
3 with all the other boats. And we welcome Google to the
4 community. And we hope that -- you know, wish you success.
5 And we're going to help you get there with some software from
6 Sun.

7 **THE COURT:** Okay. See, now, those are good jury
8 arguments.

9 **MR. VAN NEST:** So --

10 **THE COURT:** But it's not right on my immediate point.

11 **MR. VAN NEST:** So, in any event --

12 **THE COURT:** Okay. I'm going to just end by saying I
13 want you to look through your documents and supply me with --
14 so right now you haven't -- I'm just going to say it. Within
15 Google there is not one shred of evidence that Open JDK was
16 viable.

17 You're pointing to the other side and saying they said it
18 was viable. All right. That's possibly worth something. But
19 within Google itself it seems like there's not a shred of
20 evidence that -- that Open JDK was viable -- was considered a
21 viable option.

22 You know, it could be as simple as, well, do we do Open
23 JDK or do we do this other thing? We're with Apache and IBM.

24 So that would be okay. That's your spin on it now, but no
25 documents actually say that.

1 **MR. VAN NEST:** Well, but I don't want to say there's
2 not a shred of evidence.

3 Mr. Rubin will testify about this. He will testify
4 about --

5 **THE COURT:** Everybody will testify after the fact.
6 Maybe -- all right.

7 When did he first testify about that?

8 **MR. VAN NEST:** Well, he testified about it in the
9 trial back in 2012. So perhaps in his deposition as well.

10 **THE COURT:** All right. Maybe. I don't know.

11 **MR. VAN NEST:** I don't remember the deposition.

12 **THE COURT:** But it seems strange that he wouldn't have
13 put that in an email somewhere.

14 **MR. VAN NEST:** Can I make one other point?

15 **THE COURT:** Make one other point. And I'll give
16 Ms. Hurst --

17 **MR. VAN NEST:** We're talking about -- as I understand
18 it, we're talking about Mr. Malackowski's opinion on lost
19 profits.

20 **THE COURT:** Right. We're going to come to
21 disgorgement in a minute.

22 **MR. VAN NEST:** And I've made the -- the points I think
23 I need to make on that, except I would say that I don't think
24 even Mr. Malackowski believes that Android would not have
25 existed in some way, shape or form.

1 I mean, in his deposition he conceded that because it was
2 important and because getting into the mobile market was an
3 important goal for Google, whether they used the 37 APIs, the
4 declaring code, and the SSO or not, there would have been an
5 Android in some form or another. Maybe less successful. Maybe
6 later in time. But there would have been an Android. That's
7 his -- even he concedes that Android would have been here.

8 And, of course, if what Ms. Hurst says were true, how did
9 Apple get to where they got? Apple got there with no Java.
10 They're talking about the ecosystem and you had to have this
11 and you had to have that, and no carrier would ever consider
12 it, and no OEM.

13 Are you kidding me? Apple did it without one scrap of
14 Java anywhere on the phone. And they got their own ecosystem
15 with their own folks and their own OEMs and their own carriers
16 and have one of the most successful smart phones in the world,
17 without any use of Java at all. Their phone is written in an
18 entirely different language.

19 And Google could have written Android in an entirely
20 different language too. There's nothing about Java that makes
21 it absolutely critical to use in a smart phone, because Apple
22 has proven that in spades. So that's just not consistent with
23 the facts.

24 **THE COURT:** But the version that Ms. Hurst says is
25 that the Google document showed that they felt there was a

1 window of opportunity. They had to hit the window of
2 opportunity. They wanted to capitalize on the Java
3 app-developer community. And the only way to do that was to
4 come out with Android the way you did come out with it. And,
5 as you put it the other day, it was a timing problem. So they
6 get to market first.

7 And so maybe there would have been an Android, but it
8 might have wound up being like the Blackberry and kind of go by
9 the boards.

10 **MR. VAN NEST:** So that's why -- that's why you look at
11 those counterfactuals; right? Because no -- none of the
12 experts -- Malackowski, in his lost profits analysis,
13 apparently assumes that Android wouldn't have been there. But,
14 in fact, we know it was there. And we have all the data.

15 That's why Dr. Leonard and Dr. Kearl, they look at what
16 actually happened and say, well, okay, if -- if -- if the world
17 had been different, then maybe Java ME would have sold more,
18 because Android would have sold less. And so let's give them
19 credit for handsets that were sold using Android. Let's give
20 Java ME credit.

21 And that's why the -- the other two experts are in the
22 range of 85 to 87 million in lost profits. I think -- I think
23 Dr. Leonard has a couple of lost profits opinions, but one of
24 them is around 85. And I believe Dr. Kearl is around
25 87 million. Because they're looking not at this one-year

1 projection and making some completely unrealistic assessment.

2 They're looking at what happened in the market and saying,
3 Okay. If we assume that you couldn't use the SSO and you
4 couldn't use the declaring code, then perhaps ME would have
5 done better because Android would have done worse. And here's
6 the lost profit numbers.

7 But they're both in the range of 85 to 100 million, not
8 475 based on this one projection.

9 And that's all I'll say on the lost profits, Your Honor.

10 **THE COURT:** Ms. Hurst, we've got to move on.
11 Rebuttal.

12 **MS. HURST:** A couple of things. A couple of things,
13 your Honor. I'm handing up to the Court Appendix S to the
14 expert report of Dr. Kemerer, who is one of our technical
15 experts, Your Honor.

16 **THE COURT:** Okay.

17 **MS. HURST:** This is on the Open JDK point, Your Honor.
18 This is a chart of the 37 packages that are at issue
19 because they're in Android. So the mere fact that it appears
20 on this chart means it is in Android, Your Honor. That is the
21 list in this column, 37 at issue. Right?

22 Now, this shows you where those packages can also be found
23 in other -- in the versions of Java platform. So, as you can
24 see, all of them are found in Java SE. But many of them are
25 also found in versions of Java ME.

1 And when we get to disgorgement, Your Honor, we'll see
2 some documents that I'll show you that will explain why this is
3 the case.

4 But, look, what Google took, which they called "the good
5 stuff" in their documents, was the stuff that was adapted
6 already for mobile phones. That is the declaring code in SSO
7 that went with ME. And then some additional stuff out of SE
8 that was useful because the phones had become more powerful and
9 were capable of running that kind of stuff.

10 So on this whole licensing thing, there is absolutely
11 declaring code from ME in Android. Not just SE. ME. It's the
12 same code.

13 **THE COURT:** But I don't get your point. If it was
14 available under Open JDK -- let's assume, for the sake of
15 argument, that they could have used Open JDK, and then all 37
16 would be available under there.

17 **MS. HURST:** No classpath exception for the stuff in
18 ME, Your Honor.

19 **THE COURT:** But the fact is -- but that doesn't make
20 any sense. Java SE 5.0 was going to be open -- under Open JDK
21 with classpath exception; right?

22 **MS. HURST:** That was if you downloaded the whole
23 platform, Your Honor, and you took all the binaries and you
24 took the implementing code, and you were using the whole thing,
25 and then you could go modify it.

1 But for ME, that was not the case. ME --

2 **THE COURT:** What do you mean if you modified it? Why
3 couldn't they modify it by stripping out everything except the
4 37?

5 **MS. HURST:** Well, they could. But they would have to
6 republish. They would have to give back modifications, Your
7 Honor.

8 So let me focus just on SE first, and then I'll explain
9 the significance --

10 **THE COURT:** The classpath exception says --

11 **MS. HURST:** No. No. That is not what the classpath
12 exception does, for two reasons.

13 The first reason is classpath exception only applies to
14 binaries. That is compiled class libraries in the form of
15 object code. And Android is distributing its platform in
16 source. So absolutely out of the box, disqualified from using
17 the classpath exception. Just start right there.

18 Second, Your Honor, even if it was made based on what
19 Mr. Van Nest read, even if it was okay for the application
20 developers, what we're talking about here are the handset
21 manufacturers. That's what I've been talking about the whole
22 time. This license was unacceptable to the handset
23 manufacturers. And that's what the excerpt I read from
24 Mr. Rubin said. And the reason, Your Honor, is that this stuff
25 is in the core libraries in Android.

1 So if Samsung wants to put Samsung Pay in its phone and
2 use the near field chip reader and add a whole new capability
3 that relates to the device characteristics, they have to modify
4 the core libraries. If LG wants to offer an improved dialer or
5 text or some other basic phone application, they modify the
6 core libraries.

7 This is not about whether app developers can write apps
8 and still own them. It's about the fundamental cog in the
9 ecosystem that they had to have, which was the handset makers.
10 And they do modify the core libraries. And we know that
11 because we reverse engineered it. Our Dr. Schmidt reverse
12 engineered it, an HTC phone, and he found modifications to the
13 core libraries.

14 And the only reason we did that was because they are now
15 saying, Well, this is what we would have done before. Right?
16 Otherwise, we wouldn't be offering that evidence. Nine
17 witnesses to testify about this.

18 But putting that aside, Your Honor, this is about handset
19 manufacturers. It's not about application developers.

20 **THE COURT:** All right --

21 **MS. HURST:** So, in any event, Your Honor, one more
22 point on JDK.

23 **THE COURT:** I've lost your point.

24 **MS. HURST:** All right. One more point on Open JDK.

25 **THE COURT:** I thought you were trying to explain --

1 this is as far as I got.

2 I asked you why the classpath exception wouldn't have
3 allowed all 37 APIs to be taken over to Android.

4 And you said, no, the ME -- ME did not have classpath.

5 And I said, well, okay. Maybe for 10 or so they didn't
6 have classpath, but we're talking about the 37. And if you
7 used Java SE 5.0 with classpath exception, you would be able to
8 take over all of them under the classpath exception.

9 And then -- so then to that you said, no. You went to a
10 different distinction. Then you said "compiled" versus "source
11 code," and that the classpath exception applied only to
12 compiled code, and that Android was distributed in --

13 **MS. HURST:** Source.

14 **THE COURT:** -- source code.

15 So where does it say in the classpath exception that one
16 could be compiled?

17 **MS. HURST:** It's the GPL part, Your Honor. The GPL
18 part says --

19 **THE COURT:** Well, okay.

20 **MS. HURST:** Okay. But let me --

21 **THE COURT:** Is this going to be so many steps of
22 logic --

23 **MS. HURST:** No.

24 **THE COURT:** -- that I can't follow it?

25 **MS. HURST:** No.

1 **THE COURT:** So if it's so obvious, just give it to me
2 in one or two sentences.

3 **MS. HURST:** All right. Then let me answer the Court's
4 first sentence, if I may.

5 And Ms. Caridis is going to help me on the answer to that
6 last classpath exception question. She is going to get the
7 language for me.

8 **THE COURT:** Who's going to do that?

9 **MS. HURST:** Ms. Caridis, who was here the other day.

10 **THE COURT:** All right.

11 **MS. HURST:** Your Honor, the point on this chart is
12 it's under -- 10 or more of these APIs are under a more
13 restrictive license even than the classpath exception.

14 **THE COURT:** Yeah, but it's the same API. It's the
15 same -- look. Let's just take an example.

16 Number 3, java.io. Java.io is available under all of
17 them. So, okay, under ME it's more restricted. But under SE
18 it's unrestricted.

19 So why are you assuming that it has to -- if it's under
20 ME, it has to be the most restrictive license?

21 **MS. HURST:** I don't. But what I think, Your Honor --
22 and I hope the Court does conduct an in camera inspection. And
23 I hope the Court orders them to produce anything on their
24 privilege log that's related to this, not just what we had to
25 guess from our little excerpt.

1 **THE COURT:** Well, that's what I want, anything that
2 has to do with this subject of using Open JDK.

3 **MS. HURST:** Right. So my guess is, their lawyers at
4 the time, they really made a full evaluation of this. As the
5 lawyer-advised consensus suggests, the email suggests, is that
6 they would look at this and say this is a huge problem. Even
7 if we thought classpath exception was okay, which we don't --
8 and I'll read that to you in a moment -- at least some of these
9 packages don't have a classpath exception. And Sun's going to
10 take the view that the more restrictive license applies. And
11 this is going to be one big mess. And there's --

12 **THE COURT:** But I thought every single one of these 37
13 were under the classpath exception under SE 5.0.

14 **MS. HURST:** Not when they're in ME.

15 **THE COURT:** Ahh, read to me where that exception comes
16 out.

17 **MS. HURST:** Yes, Your Honor.

18 **THE COURT:** Where the GPL says if it's under ME, you
19 can't --

20 **MS. HURST:** No, that was what Mr. Van Nest was
21 reading, which was Sun's FAQ, which said we're releasing these
22 under different versions.

23 **THE COURT:** Yeah.

24 **MS. HURST:** Let me read the classpath exception, Your
25 Honor. The classpath exception says: "As a special exception,

1 the copyright holders of this library give you permission to
2 link this library with independent modules to produce an
3 executable" -- "executable" -- "regardless of the license terms
4 of these independent modules and to copy and distribute the
5 resulting executable under terms of your choice."

6 That gives you an exception for distribution of binaries,
7 Your Honor. Executable code, not source code. So I will
8 bring --

9 **THE COURT:** Go back and read the FAQ thing so I can --
10 read that to me again.

11 **MS. HURST:** I think Mr. Van Nest had that one, Your
12 Honor.

13 **THE COURT:** Well, please read that to me so I can have
14 that in mind.

15 **MR. VAN NEST:** "What is the classpath exception?"
16 That's the question.

17 "The classpath exception was developed by the Free
18 Software Foundation GNU Classpath project. It allows you to
19 link an application available under any license to a library
20 that is part of software licensed under GPL Version 2, without
21 that application being subject to the GPL's requirement to be
22 itself offered to the public under the GPL."

23 And then it goes on and they ask:

24 "Why did you choose this?" And there's some discussion
25 about why they chose it. But the key language about what it is

1 is what I read.

2 **THE COURT:** Is there any language about executable in
3 any of the FAQs?

4 **MR. VAN NEST:** I haven't studied them top to bottom.
5 There isn't such a thing in what I'm looking at right here.
6 But I'm only looking at three questions and answers, so I'm not
7 looking at the whole thing.

8 But this statement that I read is -- was made available by
9 Sun in connection with JavaOne sometime in 2006.

10 **MS. HURST:** Your Honor, the application developers
11 released their applications in executable form. If you go
12 download an app on your smart phone from the Android Play
13 Market or the Google -- or the App Store, Apple App Store, you
14 get an executable file. And linking is what you do when one
15 executable calls on another executable, another binary.

16 So that language that Mr. Van Nest was reading is about
17 executables, telling the developers that when they go load a
18 app somewhere, they're not going to lose -- they're not going
19 to lose the proprietary nature of their app. That doesn't work
20 for the OEMs because they have to modify the core libraries
21 which are filled with the Java packages.

22 I'll bring this back around to lost profits, Your Honor.
23 I think the Court has rightly put its finger on an issue, which
24 is the experts here are coming and they're relying on
25 assumptions. In order for their methodology to be reliable,

1 their assumptions have to reach some reason -- threshold of
2 reason that does not disqualify the methodology as being
3 unreliable.

4 So the question the Court faces across all of this is:
5 When are the assumptions acceptable and when are they not?
6 When is the assumption so unreasonable that the method becomes
7 unreliable?

8 Projecting forward a forecast under the legal standard,
9 certainty of the fact of damages, reasonable approximation of
10 the amount based on market circumstances at the time and the
11 company's microeconomics, its circumstances at the time is not
12 so unreasonable.

13 Relying on a counterfactual situation that was actually
14 rejected by the company at the time as commercially unsuitable
15 would not even pass the *Grain Processing* test, Your Honor, if
16 this was a patent case and *Grain Processing* applied. *Grain*
17 *Processing* itself says you can't just switch later and say you
18 would have done it sooner. You've got to show me it was
19 technically feasible and it was acceptable to purchasers.

20 And that is where Open JDK falls down. It was not
21 acceptable to purchasers. All of the evidence shows that
22 Google believed it was not acceptable to purchasers. They've
23 not produced one iota of evidence contrary to that proposition,
24 Your Honor.

25 And that is when an assumption is so far out of bounds

1 that the methodology becomes unreliable.

2 **THE COURT:** All right. I don't want to hear anything
3 more, except by the time -- when you also submit your briefs in
4 two days on the legal issue, Google should submit any emails or
5 internal memoranda that shows Google thought that Open JDK was
6 at least a contender.

7 **MR. VAN NEST:** We'll do that, Your Honor. And, as I
8 understand, it will be Thursday at 5:00.

9 **THE COURT:** Right.

10 **MR. VAN NEST:** Right.

11 **THE COURT:** Okay. Let's go to the disgorgement.
12 We're running out of time, but I -- all right. I'm going to
13 summarize what I see is the issue here and give you both a
14 chance to comment on it.

15 The Oracle expert Malackowski -- am I saying that right?

16 **MS. HURST:** Yes, Your Honor.

17 **THE COURT:** Malackowski. -- tries to identify the
18 revenue stream that was associated with the entire Android
19 platform, which is the ad revenue that came out of Android as
20 opposed to Apple or some other source. And that turns out to
21 be a large number, 47-something billion; right?

22 **MS. HURST:** Yes. The 28 is the subset of that, the ad
23 revenue, Your Honor. 28.9.

24 **THE COURT:** 28.9. All right.

25 And then from that he brings that down to 8.8 billion by

1 showing us that in its dealings with Apple, Google itself
2 placed a value of 30-something percent of the revenue from
3 Apple, got shared back to Apple as compensation for the use of
4 the Apple --

5 **MR. VAN NEST:** It's actually not Apple, Your Honor.
6 Excuse me. It's a combination. It's an average.

7 **THE COURT:** Okay. I stand corrected. But,
8 nevertheless, that's what he used it for.

9 So he says that 37 percent is a proxy for what the Android
10 platform should receive. And so that goes down to 8.8 billion
11 is attributable to the platform.

12 All right. To that, Google says, well, that's just way
13 too much. And we're only talking here about a tiny fraction of
14 the overall lines of code. And the platform includes the
15 Dalvik machine and also includes many other APIs. It includes
16 the implementing code that Google wrote or hired out to write,
17 and many, many, many other things. And so it's unreasonable to
18 ascribe the 8.8 billion just to those lines of code that were
19 taken -- that were the copyrightable things that the Federal
20 Circuit said were copyrighted.

21 Now, ordinarily that would be a great argument. But the
22 statute says, under Section 504, that the -- I'll read it out
23 loud. It's pretty short.

24 "The copyright owner is entitled to recover the actual
25 damages suffered by him or her as a result of the

1 infringement" -- that's the lost profits part -- "and any
2 profits of the infringer that are attributable to the
3 infringement and are not taken into account in computing
4 the actual damages. In establishing the infringement
5 profits, the copyright owners are required to present
6 proof only of the infringer's gross revenue, and the
7 infringer is required to prove his or her deductible
8 expenses and the elements of profit attributable to
9 factors other than the copyrighted work."

10 So this is one of those deals where the -- if you decide
11 you're going to infringe, then some of the burden of proof that
12 would ordinarily be on the plaintiff gets reversed around so
13 that it's really the burden is on the infringer.

14 Well, but that's not the end of the story either because
15 the Ninth Circuit, in the *Polar Bear* cases and other decisions,
16 has said that, nevertheless, notwithstanding this, the
17 plaintiff must establish a reasonable association -- that's the
18 term that was used -- a reasonable association between the pool
19 of money that is attributed to the infringement versus the --
20 to show some nexus between the infringement and that pool of
21 money.

22 And the *Polar Bear* decision said that two of the three
23 items in dispute there, the plaintiff had done a good job; and
24 that on one of the three the plaintiff had not done a good job;
25 and threw the third element of damages totally out the window.

1 Nevertheless, the test is this "reasonable association."

2 All right. So now we come to what is the revenue? And
3 here we -- I think this is true. And this is something you-all
4 ought to correct me on if I'm wrong, that the ad revenue --
5 Android is given away for free, but the way that Google makes
6 money on it is by the ad revenue.

7 And we are able to trace and isolate all of the ad revenue
8 that comes from Android. But is there any other -- to use a
9 bad analogy perhaps, but at least an analogy, is that the
10 smallest saleable unit? A concept in the patent law.

11 In other words, could we break it down even further? For
12 example, is there ad revenue that comes from the Dalvik
13 machine? No, there's not. It's not broken down like that.

14 Is there ad revenue from the individual APIs? I wish
15 there were, but there's not. It's all just lumped together in
16 the platform.

17 So an argument can be made that -- from the information
18 that's been supplied, and I ask this very question, that given
19 the internal records to Google itself an argument can be made
20 that the 37 APIs in question are -- there has been a link
21 shown -- I'm not saying that I would agree with this if I was
22 on the jury. I'm just saying that an argument can be made that
23 the 37 APIs contribute to the ad revenue. And then the burden
24 shifts over to Google to -- to do an allocation to show that
25 other elements of profit, things like the Dalvik machine, got

1 such and such a percentage; the APIs get a certain percent; the
2 lines of code that was -- you know, you could figure out a way
3 to do an apportionment.

4 So -- because this statute does place the burden on the
5 copyright infringer at some point, once the -- once that
6 reasonable association is made.

7 And then -- I'm almost done. Then I'm going to let you
8 both comment.

9 And then the part that troubles me the most about -- well,
10 let me back up.

11 If Google's approach had been, okay, we apportion such and
12 such amount to the Dalvik machine, such and such amount to the
13 166 APIs, or however many they have in Android, such and such
14 lines of code, I think you do have the lines of code analysis,
15 okay, I could see some kind of an apportionment on that basis.
16 And then you would run the numbers and see how much of that
17 came out to be attributable to the infringement. That would be
18 okay, I think. But what troubles me is the idea of using a
19 noninfringing alternative analysis.

20 Now, I know that Dr. Kearl, who is the court-appointed
21 expert -- but that doesn't mean I have to, under the law, go
22 with what he says. He says under economic theory, the next
23 best noninfringing alternative should be compared, and then the
24 difference between the two, that belongs to the -- is
25 attributable to the infringement. And that's what disgorgement

1 means.

2 Well, okay, maybe as a matter of economic principle. But
3 that's not -- but this is talking about disgorgement. And I'm
4 troubled by that approach. I give you several -- I gave you
5 one example the other day. I'll give you another example.

6 I suspect that the -- that following that noninfringing
7 alternative line of analysis drives you inevitably and
8 inexorably toward a license, hypothetical license analysis such
9 that the plaintiff always winds up getting only what the
10 license fee should have been, because that's the -- that's the
11 best noninfringing alternative is just go buy a license.

12 And there was a commercial license available here, at
13 least as I understand it. They had been negotiating for it and
14 couldn't agree on it. But it was a matter of price. So there
15 was a price at which it could have been done. So whatever that
16 price was would be the best noninfringing alternative in most
17 cases.

18 But is that what Congress had in mind? Now I'm backing up
19 to a -- I'm backing up to a big question. Is that what
20 Congress had in mind when it said disgorgement?

21 So I sent out a request for you-all to brief this, and you
22 did. And I read almost every single decision that was cited.
23 And Google did a good job because some of that language does
24 seem to suggest that you look at noninfringing alternatives.
25 But when you actually read the decisions, they don't say that.

1 I'll give you one example.

2 The one where the architect -- none of these are Ninth
3 Circuit anyway. But the one with the architect who designed a
4 facade for Building Number 1, and had a copyright in it. And
5 then they wound up using it for Building Number 2 without
6 permission. He sued to say, "You used my facade. I get lots
7 of money."

8 Well, the defendant brought in the owner, the building
9 purchaser. And the purchaser said, look, that facade was
10 meaningless to me. I would have bought the building anyway. I
11 didn't care about the facade. I placed no value on it.

12 And so you can say, okay, was that a noninfringing
13 alternative analysis? Well, only in this sense: It was only
14 in the sense whether that facade was infringing or
15 noninfringing or had -- you know, pictures of people standing
16 on their heads and stacking greased B-Bs, it wouldn't have
17 mattered to that owner. That owner didn't care what was on
18 that facade. And within one sentence at trial at proof, one
19 question, one answer, that went out the window. So that really
20 is not the kind of noninfringing analysis that we're doing here
21 or being proposed here.

22 What's being proposed here is an elaborate many, many
23 witnesses' worth of testimony to run through an alternative
24 that -- and let's put aside all the problems with the proof.

25 The fact is that the -- well, let me back up to the one

1 with the facade. So in that case the jury could have said
2 easily, on that record, the facade gets zero. Zero, I think,
3 is what actually happened. Because it didn't make any
4 difference at all to the owner.

5 All right. But maybe that's not true in our case. In our
6 case it's more than zero. And there's some value that ought to
7 be placed -- some of that 8.8 million ought to be apportioned
8 to these lines of code that are in question.

9 And I don't think it's so easy to say -- or maybe we --
10 maybe the law should not allow and, in fact, there is not a
11 single decision cited where the law did allow an elaborate
12 noninfringing alternative of the way that Google wants to
13 present it here. Nothing comes close.

14 I read every decision you have. In fact, the one that
15 came the closest was a dictum that Ms. Hurst cited, that
16 Judge Gerwal decision, which in a dictum had two sentences
17 which in theory would indicate that a noninfringing alternative
18 could be considered. That was a Second Circuit decision. But
19 the facts of the case had nothing to do with anything.

20 So I want to make a very -- this is my understanding of
21 the law: In the entirety of the United States, from the
22 inception of the Constitution to now, no decision has ever
23 proved so elaborate a theory of noninfringing alternative as
24 Google wants to present in this case. Not even close. Under
25 Section 504. Or the predecessor before 1976. I think it was

1 just case law then, but I don't know.

2 Anyway, so I'm not yet to the point where I'm ready to say
3 that we're not going to allow this, but I'm very close to
4 saying to Google, you will not be allowed to use your
5 noninfringing analysis on disgorgement. However, however, on
6 lost profits it's the reverse. And there you might actually be
7 able to use it because the burden is not on you under that one.
8 It's on Ms. Hurst. So in an odd way she's bringing this into
9 the case. So it's not -- you know, you see what I'm saying.

10 **MR. VAN NEST:** I do.

11 **THE COURT:** For disgorgement purposes, maybe you're
12 out of luck. But for lost profits purposes, Ms. Hurst is the
13 one who is putting it in play.

14 There, then, I have to say, all right, is it so
15 counterfactual, so contrary to the record in the case that it
16 would be a manifest injustice to let Google pretend to the jury
17 that they would have done this when, in fact, looking at the
18 records it's clear they would not have?

19 I'm not ready to say that yet because I want to see what
20 else Google can present on it. But I have now given you a
21 overview of my thinking. And none of this is gelled yet, but
22 you can kind of tell I've thought a lot about it.

23 And I'm going to give you now -- each side, I'm going to
24 give you an opportunity to say whatever you want.

25 So, Google, you get to go first.

1 **MR. VAN NEST:** Ms. Anderson is going to address this
2 concept you've just been talking about, Your Honor, on the
3 noninfringing alternatives.

4 **THE COURT:** Great.

5 **MS. ANDERSON:** Great, Your Honor.

6 **THE COURT:** All right.

7 **MS. ANDERSON:** And specifically, Your Honor, I'm going
8 to be addressing the issue as it's been teed up in Motion In
9 Limine Number 4 by Oracle against Dr. Leonard's opinions.

10 I think it's important to back up with respect to the
11 perspective on the law Your Honor has expressed. That --
12 you've read carefully the cases that we submitted.

13 Oracle's motion is premised on the notion that it is
14 impermissible to use noninfringing alternatives in the
15 disgorgement apportionment analysis.

16 **THE COURT:** But I am very close to agreeing with that.

17 **MS. ANDERSON:** And I want to unpackage that for Your
18 Honor.

19 **THE COURT:** You didn't cite to a single decision in
20 the history of the universe that has allowed such an elaborate
21 theory as you have.

22 **MS. ANDERSON:** Well, Your Honor, I believe that the
23 counterfactual scenarios which we've submitted, and, Your
24 Honor, the language that's used in terms of terminology and
25 calling this noninfringing alternative, is really just one

1 specific way of talking about counterfactuals in general.

2 Malackowski uses the counterfactual as the basis of his
3 opinions. His counterfactual is that without the APIs there
4 would have been no Android. So the use of counterfactuals is
5 firmly used by both experts in this case.

6 When we're talking about the opinions that Leonard has
7 offered here and the law that Oracle is talking about, the
8 cases that Oracle cites, none of them stand for the proposition
9 that a party is not allowed to use noninfringing alternatives.
10 None of them so hold.

11 What the Ninth Circuit has held and is a consistent
12 doctrine throughout the country is that courts are required
13 to -- and, therefore, parties present evidence -- to yield a
14 reasonable and just apportionment. And the courts do not
15 require mathematical precision. Nor do the courts place
16 limits -- some arbitrary limit in terms of how you present the
17 reasonable and just apportionment. They don't put limits on
18 complexity.

19 And I'm going to address Your Honor's points about
20 complexity, but even taking as the assumption that Your Honor
21 has posed, that these are complex counterfactuals, no court
22 imposes a limit or bar to reasonable and just apportionment
23 merely because there is some complexity involved. In fact, the
24 case law acknowledges this.

25 **THE COURT:** Well, I'm not sure that's right. Rule 403

1 is used all the time to -- but I'm not just worried about
2 Rule 403. Let me give you -- I'm worried about, additionally,
3 the legal concept of whether disgorgement -- the apportionment
4 for disgorgement can be measured in the way you want.

5 Let me give you this example. And I gave it the other
6 day, and I still am very troubled by it.

7 Let's say you have a guidebook to San Francisco. To make
8 it easy, let's say there's a hundred pages in there. And every
9 page has got a photograph of some landmark in San Francisco.

10 So the publisher has used one without permission from some
11 photographer, and should have gotten permission, didn't get
12 permission. And let's say there's a lawsuit.

13 So the publisher comes in and says, look, that picture of
14 whatever, Coit Tower, whatever, we could have gone out and for
15 \$10 we could have made our own picture. We didn't care what
16 picture we used. We could have made our own picture.

17 And so let's say the plaintiff, if you just divide it up
18 by 100 and apportion the -- it would have been a thousand
19 dollars went to that plaintiff. Instead, now, because of the
20 possibility of a noninfringing alternative of just making your
21 own picture, it's reduced to \$10.

22 To me that's not what Congress had in mind. The infringer
23 goes out there, makes a lot of money using the work of somebody
24 else, and some -- 1 percent of that work, that profit, belongs
25 to the victim. And it's a little too late in the day to come

1 back in and say, well, we could have done it in a legal way.
2 And if we had done it in a legal way, it would have just been
3 \$10.

4 So that -- see, it's a question of what did Congress have
5 in mind.

6 **MS. ANDERSON:** Yes, Your Honor.

7 **THE COURT:** And I don't know. You keep saying "no
8 case has ever." Well, this is the case that's going to decide
9 it. So let's talk about what Congress meant.

10 **MS. ANDERSON:** Let's do that.

11 **THE COURT:** All right.

12 **MS. ANDERSON:** And we have a Supreme Court case that
13 we can talk about. Your Honor is aware of it. The *Sheldon*
14 case. The *Sheldon* case which is cited in the supplemental
15 briefing --

16 **THE COURT:** Well, remind me what happened there.

17 **MS. ANDERSON:** Sure. Just one moment, Your Honor.

18 That's the *Sheldon vs. MGM* case. And I'm going to pull
19 the cite up for Your Honor. Give me a moment.

20 But it's a Supreme Court decision that actually ultimately
21 recognized that it would be unjust for a plaintiff to profit
22 from what it didn't contribute. And it was the foundation for
23 what ultimately became codified in 504(b) and the notion of the
24 kind of infringer's profits that were available under the
25 copyright statute.

1 Just pulling up my copy of the case right now, Your Honor.
2 Out of order. Just one moment.

3 **THE COURT:** Maybe my law clerk can go get that
4 decision.

5 **MS. ANDERSON:** Sorry, Your Honor. I'll pull it up
6 here.

7 **THE COURT:** What is the cite to it?

8 **MS. ANDERSON:** Sure. It's 309 U.S., and specifically
9 at pages 408 to 409.

10 **THE COURT:** So that sounds like a 1940 decision.

11 **MS. ANDERSON:** So in the Supreme Court case the Court
12 explained -- and this, again, is at pages 408 to 409 -- that:

13 "Equity is concerned with making a fair apportionment
14 so that neither party will have what justly belongs to the
15 other."

16 There is a concern here. And the Court said, quote:

17 "Confronted with the manifest injustice of giving the
18 petitioners all the profits made by a motion picture, the
19 Court, in making an apportionment, was entitled to avail
20 itself of the experience of the best qualified to form a
21 judgment in the field of inquiry."

22 And the concern the Court is talking about in *Sheldon* was
23 the idea that you don't want to do more than what is a
24 disgorgement remedy here. This is not a punitive statute. It
25 is not intended to be punitive.

1 For example, Oracle cited in some of its supplemental
2 pleadings the notion that in designed patents there's no
3 apportionment permitted under the statutory scheme there.

4 **THE COURT:** I was pretty close. 1940. That's what I
5 said; right?

6 **MS. ANDERSON:** Yeah. You nailed it. You nailed it.

7 **THE COURT:** That was a good guess. That was totally a
8 guess.

9 What's the page again?

10 **MS. ANDERSON:** 408 to 409.

11 **THE COURT:** Oh, 408, okay. All right. Looks like --
12 see what the actual date is now that I -- about the only thing
13 I'll get right in this case.

14 Okay. 1940, March 25.

15 All right. So the page that you are referring to --

16 **MS. ANDERSON:** 408 to 409, Your Honor.

17 And so Your Honor can know that at the very beginning of
18 the opinion the Court explains that:

19 "The questions presented are whether, in computing an
20 award for profits against an infringer of a copyright,
21 there may be an apportionment so as to give to the owner
22 of the copyright only that part of the profits found to be
23 attributable to the use of the copyrighted material, as
24 distinguished from what the infringer himself has
25 supplied, and if so, whether the evidence affords a proper

1 basis for the apportionment to create in this case."

2 **THE COURT:** Well, all right. But does this get down
3 to whether or not it decided that noninfringing alternative
4 analysis was okay?

5 **MS. ANDERSON:** No. But the reason that I raised this
6 issue, Your Honor, is the hypothetical scenario that you were
7 just talking about there --

8 **THE COURT:** Yeah.

9 **MS. ANDERSON:** -- it is fair and it is properly
10 contemplated within the copyright statute that if there is a
11 counterfactual scenario that allows you to come up with a
12 reasonable and just apportionment or attribution of profits to
13 the infringing material, the Court is required under Ninth
14 Circuit law and the statute to do it.

15 And under your scenario --

16 **THE COURT:** That was a fast slide over thin ice. I
17 don't think you are required to engage in extended logic,
18 piling assumption on assumption, and then say what might have
19 happened in an alternative universe. I think at some point you
20 have to say no. There's a much easier way to get at this. You
21 add up the lines of code, you take a percentage. That's a
22 rough cut. Maybe you look and see how many times the API is
23 called up. That's another rough cut. And then you mix it all
24 together, and the jury comes up with a number. That is at
25 least based upon the real-world numbers.

1 But now you want to -- see, and every time it's going to
2 drive you down to what the cost of a license would have been,
3 because that is the best noninfringing alternative, is just a
4 license. And I don't think that's what Congress had in mind by
5 way of apportionment.

6 **MS. ANDERSON:** One thing, too, I'll note for Your
7 Honor, is that the hypothetical that you raised as an initial
8 matter creates a problem for plaintiff on the causal nexus
9 side; right?

10 So Ninth Circuit law first places the burden on an
11 indirect profit scenario. Although, maybe your scenario --

12 **THE COURT:** No, that's not true at all.

13 That one photograph is in the book. It -- the book is
14 sold. It's a smallest saleable unit. How else could they ever
15 do it?

16 No. Clearly, the example I gave, that would satisfy the
17 *Polar Bear* test.

18 So then the burden would fall on the publisher to say:
19 Okay. That was just one in a hundred. Okay here's a thousand
20 dollars. Let's all go home.

21 **MS. ANDERSON:** Yes, Your Honor, but --

22 **THE COURT:** That's the way that would work.

23 **MS. ANDERSON:** But as applied to a case like ours,
24 causal nexus is a big problem in that scenario.

25 **THE COURT:** Yeah, but the smallest saleable unit --

1 **MS. ANDERSON:** What --

2 **THE COURT:** How are they going to break it down any
3 further?

4 **MS. ANDERSON:** Right. But what I'm talking about is
5 in terms of applying your analogy to situations as we have
6 here. You have causal nexus issues when there are reasonable
7 counterfactual scenarios that the defendant could have taken
8 that really pinpoint why the infringing part is not valuable in
9 terms of profits. And you see in cases --

10 **THE COURT:** Back at the time you thought it was
11 valuable.

12 **MS. ANDERSON:** Well, actually --

13 **THE COURT:** Back at the time Google couldn't wait to
14 get those APIs in there. And they even had people write their
15 own implementations.

16 I don't know. I think that there's definitely evidence
17 from which a jury could conclude that Google wanted to have
18 those 37 APIs in order to leverage and take advantage of and
19 capitalize on that Java app community. I think that's what was
20 going on. I think that even the Court of Appeals said that.

21 So I don't know. I think you're trying to downplay it too
22 much now.

23 **MS. ANDERSON:** Well, again, the portion of the
24 argument that is on the motion in limine concerning Mr.--
25 Dr. Malackowski is something Mr. Van Nest is addressing. But

1 in terms of the actual case law, you see cases that talk about
2 counterfactuals, and then do reject claims for profits caused
3 by things where you see an alternative that could have been
4 taken. We cited the *Bouchat* case from the Fourth Circuit in
5 our supplemental pleading. And there are others cases we have
6 cited --

7 **THE COURT:** I read that one. Remind me what the fact
8 pattern was. I did read that.

9 **MS. ANDERSON:** Sure. That was the one where there was
10 a claim for profits caused by the defendant's use of a
11 particular logo. And the Court noted they could have used a
12 different logo in their advertisement.

13 So you see a lot of these cases talking about the idea
14 that if you have a scenario where the defendant could have
15 simply taken an alternative route, it allows you to pinpoint
16 profits attributable. Then you have a scenario where that
17 counterfactual is valuable in determining what is reasonable
18 and just.

19 And we cited for Your Honor, in our pleadings, the *Data*
20 *General* case from the First Circuit from 1994. That Court
21 recognized that in submitting evidence on proper apportionment,
22 the defendant can attempt to show that consumers would have
23 purchased its products even without the infringing element.

24 It doesn't exclude the idea --

25 **THE COURT:** Well, remind me what the infringing

1 element was there.

2 **MS. ANDERSON:** Sure. Let me pull that up for Your
3 Honor.

4 **THE COURT:** Can you go get my -- here. Wait a minute.
5 I may actually have them all here.

6 **MS. ANDERSON:** It's the First Circuit, 36 F.3d 1147.
7 That's the case involving a copyright for the manufacturer's
8 diagnostic software.

9 **THE COURT:** Can you bring those books that I had?
10 But, see, there -- this is the First Circuit; right? The
11 First Circuit there said that they could -- that the defendant
12 could put on some expert to say, look, consumers would have
13 bought this product anyway because the logo or the diagnostic
14 software, whatever, was not the important part of it. They
15 would have bought it anyway.

16 But here's the deal: We know that Android, as it was
17 sold, nobody would have bought it without those 37 APIs. It
18 couldn't have worked.

19 **MS. ANDERSON:** We don't know that at all, Your Honor,
20 actually.

21 **THE COURT:** Come on. It wouldn't work. It wouldn't
22 work. You couldn't have made any -- those apps -- all of those
23 apps -- most of those apps got used on a lot of -- you don't
24 have anyone who's willing to come in here and say that Android
25 would have worked just as good?

1 **MS. ANDERSON:** Well --

2 **THE COURT:** And I believe it's your burden to do that.
3 It's not your burden not to do that.

4 **MS. ANDERSON:** I think it's important to keep clear on
5 the terminology. Because in Oracle's papers they repeatedly
6 argue that if you took out the Java API labels that, quote,
7 Android wouldn't work. And that is the basis why they refused
8 to do any counterfactual other than the one that
9 Mr. Malackowski uses.

10 The problem is that that is a specious argument when it
11 comes to software. Frankly, Your Honor, if that argument
12 carries the day, it means that there is no apportionment if the
13 accused product is a body of software code.

14 If you take out a chunk of code out of a body of software
15 code, it's going to cause errors and not work. That is true
16 for any part of that body of code. And we have admissions from
17 their own witnesses to that effect. That is a specious
18 argument. Taking a piece of code out of a body of code will
19 cause it to fail, regardless of whether it's the APIs or
20 something else.

21 **THE COURT:** Well, but that's the -- so then do we get
22 to go down the path of, okay, what would the alternative have
23 been?

24 **MS. ANDERSON:** Counterfactuals, yes. They are
25 embraced by the cases we've cited. *Data General, Bucklew,*

1 *Bouchat, Walker, Complex, Semerdjian, Bonner, OnDavis*, all
2 cited to Your Honor in the cases. Even the cases that Oracle
3 relies on talks about them.

4 So, you know, *Frank Music* -- first of all, is a Ninth
5 Circuit case -- in no way stands for the proposition that
6 you're forbidden from using a noninfringing alternative. That
7 is a form of counterfactual.

8 And the *Brocade* case, to which they cite, doesn't stand
9 for that proposition either.

10 Here we have a situation where --

11 **THE COURT:** I agree with you on both of those
12 decisions. I agree with you on both of those decisions. But
13 neither do they stand for the proposition that we do look at
14 noninfringing alternatives.

15 To me, Congress wanted -- it was a much simpler thing.
16 Congress wanted you to look at what money was made off of the
17 infringing thing. And whenever there was more involved, like
18 one picture out of a hundred, you apportioned in some equitable
19 way. Now it's for the jury to do.

20 Okay. That's so easy a concept. And what you want to do
21 is say: Oh, no. We are going to be allowed to show it was a
22 nothing. It was a zero consideration. We're going to do this
23 noninfringing alternative.

24 And then so you defeat what Congress had in mind.
25 Congress wanted them to get something.

1 **MS. ANDERSON:** No, Your Honor. I respectfully
2 disagree.

3 **THE COURT:** And not just a few thousand dollars. In
4 this case, it was a lot more than that.

5 **MS. HURST:** I respectfully disagree, Your Honor. The
6 case law allows that to happen if there is a failure, number
7 one, of the plaintiff to show causal nexus. And causal nexus
8 is a lot more than just, well, it happened to be used in the
9 product.

10 **THE COURT:** Let the jury decide that. Maybe you're
11 right. You lawyers are so good, you will get up there and you
12 will do a great job of explaining. But you want me to give you
13 a home run upfront and say they haven't met the *Polar Bear*
14 test. I'm not sure I can -- I should do that. I want to wait
15 and see how the evidence comes in.

16 **MR. VAN NEST:** I do want to address that, Your
17 Honor --

18 **MS. ANDERSON:** Yes.

19 **MR. VAN NEST:** -- when the time comes.

20 **THE COURT:** Address it to the jury.

21 **MR. VAN NEST:** I would like to address it to Your
22 Honor.

23 **THE COURT:** I don't like to have to carry everybody's
24 water for them. The jury -- look. I asked Oracle to give me
25 their proof. On the cold record it looked like -- I'm not

1 going to say it was adequate. But I can't say it's inadequate
2 either. And it's your burden on a motion in limine. It's not
3 their burden.

4 **MR. VAN NEST:** That's right.

5 **THE COURT:** So why not just let the jury hear all of
6 this?

7 **MR. VAN NEST:** Well, here's --

8 **THE COURT:** And then let them decide whether or not
9 the threshold test has been met.

10 **MR. VAN NEST:** Let me clarify what we're asking on our
11 Motion in Limine 6, if this is an appropriate time to address
12 it, Your Honor. I don't want to interrupt your chain of
13 thought.

14 **THE COURT:** No, no.

15 **MR. VAN NEST:** Here's the deal: There are several
16 forms of revenue that they're talking about, and we're
17 challenging one. All right. So let me make clear what our
18 motion is addressed to and why I think it's absolutely clear
19 under the law that it's the right thing to do.

20 There's ad revenue. That's this \$30 million --
21 \$30 billion number we talked about. There's also revenue when
22 Google sells a phone. Google has a line of phones called
23 Nexus. We're not challenging Malackowski's reliance on that.
24 There's also revenue from the sale of apps, applications that
25 we're not challenging his causal nexus for that; although we

1 will in front of the jury. There's also sale when you purchase
2 some content, books, music and so on from the Google store.
3 That's what adds up to his 8.8 billion.

4 All of those -- the one revenue stream we're attacking is
5 ads, and here's why: Because *Polar Bear* and *Mackie* require
6 that you establish a causal nexus between the use of the
7 copyrighted work and the profits, the revenues you're talking
8 about.

9 The statute starts by saying on disgorgement that the
10 profits that are attributable to the infringement, attributable
11 to the infringement, are what the copyright holder is entitled
12 to.

13 And as Your Honor noted in your order, *Polar Bear* and
14 *Mackie* require this two-step framework where the copyright
15 owner must first show a causal nexus between the infringement
16 and the revenue. And then once that's established, if it is,
17 then there's an apportionment. And the burden, as you noted,
18 is on -- on Google to do that.

19 But it's crystal clear that in *Mackie* and *Polar Bear* what
20 they're looking at is what impact, what causation can you find
21 between the copyrighted work you're using -- here that's the
22 SSO and the declaring -- the method labels, the declarations,
23 okay, and the ad revenues. That's what they've got to show
24 upfront.

25 And it's up to the Court -- and this is what *Mackie* says

1 -- to conduct a threshold inquiry into whether there's a
2 legally sufficient causal link.

3 Now, Malackowski, notwithstanding that big fat exhibit,
4 Malackowski doesn't do that. Malackowski admits that the ad
5 revenues are based on a completely separate technology, the
6 Google Search Engine, and a separate completely separate
7 technology, the Google ad system. Those are -- he admits that
8 those are preexisting systems that work on all platforms in the
9 same way. Desktops. Laptops. They're out there. They are
10 the thing that generates the ad revenues, whether you search on
11 Google or whether you access somebody's website.

12 And he describes them in his deposition as, quote, an
13 entirely distinct area of technology. An entirely distinct
14 area of technology.

15 And he testified, Your Honor, that even though these
16 things are independent, entirely distinct areas of technology,
17 he didn't take them into account. He didn't consider them in
18 establishing causal nexus. He didn't think he had to.

19 **THE COURT:** What was it? Search engine and what else?

20 **MR. VAN NEST:** There's two things. There's a Google
21 search engine, which is the basis for Google's success in the
22 beginning. And Google has a separate ad delivery system, the
23 Google Ad Serving system, which works separately and with,
24 sometimes, Google Search. Those two -- those two systems are
25 independent. They work on other platforms. They weren't

1 developed for Android. They've been in existence long before
2 Android. And he admits that they are the -- they are a
3 completely separate area of technology. And he says, I don't
4 even have to have them in establishing a causal nexus. I don't
5 even have to consider them.

6 **THE COURT:** Did Dr. Kearl consider them?

7 **MR. VAN NEST:** Dr. Kearl -- I'm not sure what -- I'm
8 not sure about Dr. Kearl.

9 **THE COURT:** All right.

10 **MR. VAN NEST:** But -- but I know that Mr. Malackowski
11 did not.

12 So, for example, here's what's in that exhibit. Here's
13 what's in that exhibit they gave you. Their point is, okay,
14 you use the SSO -- right? -- to get faster programming. It got
15 you to the market faster. It got you access to Java
16 developers. They're used a lot by the various apps.

17 All that gets you is a very good phone operating system.
18 It doesn't cause somebody to choose Google Search.

19 By the way, you don't have to search on Google when you're
20 on Android. You can search on Yahoo! or Bing. You can
21 download any search engine you want. The SSO has nothing to do
22 with that. It also doesn't impact an advertiser. An
23 advertiser can choose an ad-sharing system that he or she
24 wants. It doesn't affect the user who's got to click on the
25 ad.

1 None of this stuff has anything to do with the revenue
2 generated through ads. And you can tell from what I'm saying,
3 I'm acknowledging that, okay, I'm not sure there's a causal
4 nexus to selling phones, but at least there you're selling a
5 phone that has the software in it and the SSO and so on. Okay.
6 I get that. And with apps, I get that. Okay. We'll challenge
7 that with the jury. I don't think they can get it there
8 either, but we'll challenge that with the jury.

9 But with the ads, there is nothing. And what they're
10 saying to Your Honor is the following. This is the analogy and
11 it's dead on. They're saying: Hey, to build a symphony hall,
12 you need an engineering plan for the support steel. I'm going
13 to give them the full benefit of their argument.

14 If that engineering plan is copyrighted and you use it
15 without permission, by God, you have contributed to the
16 building of that symphony hall. And then I get money from
17 tickets that are sold when the Bolshoi comes to that hall, or
18 when the symphony comes to that hall, or when the New York
19 Philharmonic comes to that hall. That's ludicrous. There's no
20 causal nexus between that.

21 If you're talking about selling the building, okay.
22 That's what these cases talk. If you're talking about selling
23 the phone, okay. But just because you've got a copyright on an
24 engineering plan that builds a great symphony hall, you don't
25 get the revenues when someone chooses to go to the Bolshoi or

1 chooses to go to the Philharmonic. Your Honor, that's what
2 Google's search engine is. That's what Google's ad service is.
3 It's a completely separate activity that happens to be
4 performed on the phone. But it isn't caused in any reasonable
5 way, shape or otherwise by -- by the use of the declaring code
6 or the SSO. It really --

7 **THE COURT:** Why wouldn't it be? Well, let me ask a
8 different question. Before Android --

9 **MR. VAN NEST:** Right.

10 **THE COURT:** -- Google was already making ad revenue
11 money. True?

12 **MR. VAN NEST:** True.

13 **THE COURT:** All right. What was that ballpark number?
14 Do we know?

15 **MR. VAN NEST:** I don't know.

16 **THE COURT:** All right.

17 **MR. VAN NEST:** You'd have to --

18 **THE COURT:** I'll just make up a number. Let's say
19 that it was \$10 million before Android. This is hypothetical.
20 All right. So then Android comes along and it goes immediately
21 to \$20 million.

22 **MR. VAN NEST:** Okay. Let's assume that.

23 **THE COURT:** All right. Assume that. So then one
24 logical thing to say would be that Android contributed another
25 10 million in ad revenue, and then in part some of that was

1 attributable to the lines of code.

2 **MR. VAN NEST:** That's where the line breaks because
3 what the cases say is -- they're arguing that they get this
4 8 billion because Android contributes to ad revenues. Okay.
5 I'm not even sure that's true. But they've got to show that
6 the SSO somehow contribute -- is causal nexus. There's got to
7 be -- that's what *Mackie*, where they were looking at the
8 pictures that were in the brochure, that's what your -- your
9 photographer hypothetical is. It's not that Android caused it.

10 Because, as we all know, there's a million things in
11 Android where you have to separate activity being performed on
12 top of Android with a completely separate technology like
13 Google Search or Google ad, they've got to show some causal
14 nexus.

15 Just like in *Polar Bear*, they showed a Nexus between the
16 film footage of guys kayaking in Timex logos and somebody at a
17 trade show buying a Timex watch. They showed the footage had
18 impact. Because the user saw the footage, and the Court said
19 that's good enough. Right?

20 But in terms of a general benefit to Timex, no. The Court
21 said no, you don't meet the causal nexus test.

22 And so what I'm saying is -- and by the way, it's not
23 going to be a small number. If -- if the ruling is ad revenue
24 no but the other revenue streams okay -- because there's at
25 least arguably a theory for getting those, a theory for getting

1 those -- that's still a couple-of-billion-dollar event. Maybe
2 a billion. It's not 8 billion, but it's probably a billion.
3 Malackowski would have to tell us the number.

4 But there, Your Honor, you can see the difference between,
5 all right, I've got code in a phone. I'm selling the phone.
6 Okay. I'll argue that with the jury.

7 But what they're saying, okay, you -- you build a phone
8 and the phone uses the SSO, to then say any activity, any
9 activity, including one that is generated with a thousand
10 decisions by users, by OEMs, by people who choose to use or not
11 use Google Search, who have no idea what these SSO are and
12 don't care, and OEMs that don't care, and advertisers that
13 don't know or care, I mean, the decisions that go into ad
14 revenue have nothing to do, Your Honor, with the SSO. They
15 don't.

16 **THE COURT:** That's what you say, but wait a minute.
17 First, you have said several times that the foundational link
18 has to be established by Malackowski. That is wrong.

19 What is required is that the trial record be sufficient
20 from which the jury could draw the conclusion that there is
21 a -- I will quote exactly -- "reasonable association between
22 the gross revenue that's sought and the infringement."

23 So it could be those emails. It could be all kinds of
24 things that come into evidence that were summarized by Oracle
25 in its -- that Malackowski does not have to testify. He can

1 just assume. Otherwise, assume that that's going to be proven
2 up in some other way. That's why I asked the question, was to
3 see, how does Oracle plan to --

4 **MR. VAN NEST:** I accept that. I accept that.

5 **THE COURT:** All right. So couldn't a reasonable jury,
6 from the way in which your own client described it internally,
7 draw the conclusion that those APIs were important to the
8 Android platform and, therefore, they contributed in some way,
9 some reasonable way, to the ad revenue that's in play now?

10 **MR. VAN NEST:** No, no. What I'm saying is -- look,
11 it's not a reasonable association, Your Honor. That's not the
12 test.

13 **THE COURT:** I have it right here. I'll show it to
14 you. I'll read to you from *Polar Bear*.

15 **MR. VAN NEST:** Well, what --

16 **THE COURT:** It's at page 715, near the bottom.

17 "It, nevertheless, remains the duty of the copyright
18 plaintiff to establish a causal connection between the
19 infringement and the gross revenue reasonably associated
20 with the infringement."

21 **MR. VAN NEST:** Okay.

22 **THE COURT:** So causal connection.

23 **MR. VAN NEST:** That's it.

24 **THE COURT:** All right.

25 **MR. VAN NEST:** That's it. That's where I am, causal

1 connection. They want to have something a lot more of a
2 gestalt, you know, relationship between these.

3 But if you look at *Mackie* and you look at *Polar Bear*,
4 *Mackie* says you've got to establish a causal link between the
5 symphony's infringing use of the tango -- that was one of these
6 dance-step pictures -- and any revenues generated through the
7 inclusion of the collage in direct mail.

8 They're looking at -- and so is *Polar Bear*. *Polar Bear*
9 uses causal nexus, causal relationship. And what I'm saying is
10 that -- what I'm saying is that in this situation where you've
11 got an entirely separate technology, the most they can show is
12 just like the guy that had the engineering plan for the steel.
13 You contributed to a beautiful symphony hall. Okay. I get
14 that. And if we're talking about the value of the symphony
15 hall or selling it, okay.

16 They want profits that Google earned through Google Search
17 and Google Ad, which are freestanding, preexisting, world
18 famous, separate, distinct technologies that -- that are the
19 things that give rise to the ad revenue that --

20 **THE COURT:** Of course they contribute too, but Android
21 certainly contributes --

22 **MR. VAN NEST:** No.

23 **THE COURT:** -- to ad revenue.

24 **MR. VAN NEST:** There is ad revenue earned when people
25 use Android phones. But, Your Honor, that's not the test.

1 That's what I'm getting at. The test is, did the use of the
2 copyrighted work -- and here we're talking about lines of code,
3 right, that are declaring labels, method declarations in SSO,
4 did that use cause ad revenue? It simply did not.

5 Why? Because there's too attenuated a relationship
6 between that code, which is a minor, minor part. We're talking
7 about less than 1 percent of Android and all the billions of
8 dollars of revenue that were earned not because of that code
9 but because of the Google Search and the Google Ad system and
10 all of the decisions that various people make along the way.

11 The point is, it's a little bit like saying, you can't let
12 juries speculate. The cases also say, *Mackie* and *Polar Bear*,
13 you've got to have nonspeculative evidence that links, in a
14 causation way, the infringing work and the revenue we're
15 talking about.

16 And what I'm saying is, not as to sale of the phones, not
17 as to applications, and not as to downloaded content. Okay.
18 There I think you would be correct in saying I can argue that
19 to the jury, and I must. And we haven't challenged that in our
20 motion.

21 What we're challenging is the far-fetched notion, I think,
22 which they didn't provide any evidence to support beyond saying
23 these things contribute to a good phone. That's all they've
24 said. It contributes to a good phone that was in the market
25 that might not have been there. All right.

1 But that doesn't get you to where *Polar Bear* and *Mackie*
2 need to get you, which is, did they cause -- did our use of
3 that SSO and the method declarations cause ad revenues? They
4 certainly did not. And they haven't shown any evidence. In
5 all these other cases, Your Honor, there is a link where you
6 can say somebody looking at the picture would certainly be
7 excited by Timex. Somebody looking at the tango, the tango
8 steps, the Court said absolutely not. You know, that doesn't
9 make it.

10 Most of these cases that talk about indirect revenue --
11 and we cited them at pages 13 to 15 -- particularly in the
12 software area, say the mere fact that you've got some software
13 in your device that works, that -- and that helps your device
14 work, that doesn't give you the causal nexus you need.

15 I cited *Complex Systems, Inc.* I realize it's not Court of
16 Appeal. It's a Southern District of New York case. But that
17 was very similar to this, where they're talking about some
18 indirect profits made on top of a software platform. And what
19 was in the software platform was some infringing code. And
20 there the Court, on *Daubert* said, no, you don't get to get that
21 far.

22 If we're talking about selling the software, okay.
23 There's a nexus to that. But -- and that's all there was in
24 *Brocade*, too, for that matter. But where you're talking about
25 some completely independent activity that happens on top of the

1 platform, where the platform is, in a sense, in the back room
2 doing some of the work, okay, that is not the causal nexus you
3 need to go out and, in this case, try to grab \$8 billion worth
4 of revenue.

5 **THE COURT:** I'm sorry. We're going to take a break.
6 And I need -- before we do that, when we come back, I want to
7 hear from Oracle. But I want to ask Dr. Kearl whether he's
8 going to be here tomorrow as well.

9 **MR. COOPER:** Yes.

10 **THE COURT:** All right. Because I want to make sure
11 that we give him a full opportunity to weigh in on anything
12 that -- and, in fact, when we come back, if you wish to address
13 any of the things that we're talking about here, I would like
14 to hear your views.

15 **DR. KEARLE:** Okay.

16 **THE COURT:** So we're going to take a 15-minute break.
17 Probably we'll go another hour, hour and 15 minutes after that.
18 I'm not sure. But we'll see -- we'll see how everyone holds
19 up. Okay. Fifteen minutes.

20 **MS. HURST:** Thank you, Your Honor.

21 **MS. ANDERSON:** Thank you, Your Honor.

22 (Recess taken from 11:20 a.m. to 11:38 a.m.)

23 **THE COURT:** Be seated. Come back to order. Have a
24 seat, please.

25 Before we go to -- Mr. Van Nest said something which I

1 must have misunderstood. I want to make sure I got this right.

2 He said that there was the search engine and the ad
3 delivery system, and that Malackowski failed to apportion any
4 of the ad revenue to those systems.

5 I don't think that's right.

6 **MR. VAN NEST:** I didn't say that. And it's not right.
7 I didn't say that. What I said was --

8 **THE COURT:** That's what I got out of it, so --

9 **MR. VAN NEST:** Okay. What I said, Your Honor, was
10 that in looking at causation, in looking at causal nexus
11 between the copyrighted work and the revenue, he didn't take
12 into account the ad system or Google Search. Right?

13 In other words, my point is, since Google earns that money
14 on any platform -- a desktop, a laptop, an Apple phone, an
15 iPhone -- it's independent of the SSO. And my point is, if
16 it's independent of the SSO, there's no causal nexus; right?

17 These search technologies work the same whether you're
18 using an iPhone, a desktop, a laptop, an Android. It doesn't
19 matter. They're the thing that generates the revenue, not
20 Android.

21 And what I said was that Mr. Malackowski, when we asked
22 him, Did you evaluate causal nexus knowing that there were
23 these independent, separate technologies out there actually
24 generating the revenue? he said, No, and I didn't have to.

25 That's my point.

1 He says he apportions it by assigning two-thirds of it,
2 two-thirds of the total ad revenue to Google, in effect, and
3 one-third to the Android platform. And it's that one-third
4 that allows him to come up with the bill, roughly a billion.

5 But my point is different. I didn't say that he didn't
6 apportion. I said he didn't take it into account in his
7 causation analysis. But you're right about what you thought.

8 **THE COURT:** All right. Well, there is a different
9 procedural point that bothers me, that maybe both of you are
10 guilty of.

11 In Malackowski's opening, he did not use 8.8 billion. He
12 used 28 billion. And then he got criticized by Leonard and
13 Kearl, so he did a reply -- reply report, where he reduced it
14 down to 8.8 billion.

15 **MR. VAN NEST:** That's right.

16 **THE COURT:** Now, I'm pretty tough on reply reports.
17 And sometimes I might not forgive that, and just throw it out.
18 The opening should have that in there. I'm not making that
19 decision now. But it's a completely different procedural point
20 I didn't realize until I took a break and my law clerk
21 explained it to me.

22 But you have the same problem with Mr. Leonard. He went
23 out and tried to fix up his report with a reply report. We
24 haven't gotten to that problem yet.

25 **MR. VAN NEST:** They're different. That's a very

1 different problem.

2 **THE COURT:** Maybe they are. Maybe they aren't.

3 **MR. VAN NEST:** Oh, yeah, they are.

4 **THE COURT:** I get fed up with the lawyers and the
5 experts who get so greedy, and then they come in and try to
6 overreach, and then they get caught on it and try to fix it up
7 on a reply report after the deposition has occurred.

8 Did that happen after the deposition, or not? Did you
9 know about the 8.8 when you took his deposition?

10 **MR. VAN NEST:** Yes.

11 **THE COURT:** So you did know about that?

12 **MR. VAN NEST:** We did.

13 **THE COURT:** All right. Then maybe -- then maybe that
14 mitigates any surprise in damage or not.

15 Has your expert Leonard -- is he -- who is your responding
16 expert?

17 **MR. VAN NEST:** Dr. Leonard.

18 **THE COURT:** Has he been able to address the 8.8?

19 **MR. VAN NEST:** He does.

20 **THE COURT:** All right. Okay. I want to hear from --
21 let's hear from --

22 **MR. VAN NEST:** Excuse me, Your Honor. I may have
23 spoken in error.

24 **MS. EGAN:** Your Honor, we agreed to --

25 **THE COURT:** Come up here. Say your name.

1 **MS. EGAN:** Elizabeth Egan for Google.

2 **THE COURT:** All right.

3 **MS. EGAN:** We agreed to a schedule for submitting the
4 expert reports. And just in all fairness, our -- the opening
5 report for plaintiff's expert had to address the things that
6 they had the burden on. Then Dr. Leonard submitted his
7 response to that report, which had to include the elements that
8 Google had the burden, which included apportionment.

9 Mr. Malackowski replied to that report. In that schedule
10 there wasn't a provision for Dr. Leonard to then submit a reply
11 to Mr. Malackowski's reply. So I just wanted to be clear on
12 that.

13 **THE COURT:** So has -- so did Leonard address the 8.8
14 number or not?

15 **MS. EGAN:** In his deposition, yes. But he -- as part
16 of that back and forth, given the complexity of the burden
17 shifting in the statute, there wasn't a provision for
18 Dr. Leonard to submit a reply report to Mr. Malackowski's
19 reply.

20 And the way in which this is different from the issue with
21 Dr. Leonard's reply report, again, Dr. Leonard submitted a
22 reply report along with the court-ordered schedule with respect
23 to Dr. Kearl.

24 **THE COURT:** Well, look, it's too complicated for me to
25 get to the bottom of it. So by two days from now, same

1 schedule, here's another brief that you-all can do. But I
2 don't feel sorry for you because look at all the lawyers in the
3 room. Look, four, five, six, seven over there. The only one I
4 feel sorry for is right over there, Dr. Kearl's lawyer. And he
5 does not have to submit any reply report.

6 So, Mr. Cooper, you're off the hook on that one.

7 **MR. COOPER:** Thank you.

8 **THE COURT:** All right. What you need to address in
9 this supplemental, but not right now -- I want you to know,
10 normally -- and even normally is normally, not always.

11 Normally, on these -- you don't get to fix it up in the
12 reply report. You can't overreach in the opening and then get
13 caught and then fix it in the reply.

14 And, at a minimum, you don't get to say anything that's in
15 the reply the first time you're there. You've got to say it
16 all on the stand on direct. You don't get to go to the reply.
17 Then we hear the rest of the case. And then maybe if there's a
18 rebuttal, you get to do the reply.

19 That's the way I try to punish those people who misuse the
20 reply report, because you don't get to say it -- I don't always
21 do that, but that's the normal rule.

22 However, in terms of that *Daubert*, should I be limited --
23 not limited. In fairness, should I just look at what he did in
24 the opening report and not let him get away with fixing it up
25 in the reply report once he gets caught? I don't like that. I

1 really don't like the idea that you can -- you can play those
2 kind of games.

3 So that's what's bothering me. And you-all can give me
4 your briefs and -- so while I was kind of leaning Oracle's way
5 on this, now that I see what happened on the reply report, I'm
6 very upset about that. And I -- and I don't like it.

7 On that one ground alone, maybe he ought to be completely
8 excluded for overreaching with not just \$1 billion, tens of
9 billions of dollars.

10 I'm not making a decision now, but I want you to know you
11 ought to do a good job on your briefs. Two days, 5 o'clock.

12 And the same thing ought to apply to Dr. Leonard, who
13 tried to fix his up after the fact too. So you can explain to
14 me if those are the same or different.

15 Okay. I'm going to forget what I just said for the moment
16 because I'm going to wait on the briefs. So don't even address
17 that now.

18 Let's go to the points that we were going over before the
19 break.

20 **MS. HURST:** Your Honor, the Court asked what was the
21 Congressional intent in 504(b). The answer in *Polar Bear*, at
22 page 708 --

23 **THE COURT:** Is that the one that quotes the 1960
24 report?

25 **MS. HURST:** It is, Your Honor.

1 **THE COURT:** I read that. I actually went back and got
2 that. But that's not the legislative --

3 **MS. HURST:** It is, Your Honor.

4 **THE COURT:** It's not the legislative intent.

5 **MS. HURST:** It is, Your Honor.

6 **THE COURT:** Okay.

7 **MS. HURST:** It took more than 20 years to develop the
8 legislative history for the 1976 Copyright Act.

9 **THE COURT:** All right. Let's see. I read it. I went
10 back and actually looked at the original. So I -- let's go
11 ahead and hear your point on this.

12 **MS. HURST:** So it is the legislative history, Your
13 Honor, because there was a very long -- there were numerous
14 reports by the committees, by the registrar of copyrights.
15 House Study Number 22 and Number 23 were about damages. It was
16 years later before they finally got to the legislative
17 compromise and enacted the 1976 act.

18 So the Court got it right in *Polar Bear*, even though it
19 looks funny that it's older.

20 **THE COURT:** What page is that on again?

21 **MS. HURST:** It's at 708, Your Honor.

22 **THE COURT:** Okay. Let's make your point.

23 **MS. HURST:** And so the Court said:

24 "...to take away incentives for would-be infringers
25 and to prevent the infringer from unfairly benefiting from

1 the wrongful act."

2 So two purposes: To prevent the retention of an unfair
3 benefit, and to deter, deterrence, prevention of the retention
4 of benefits.

5 **THE COURT:** So that is citing to the '76 House report.

6 **MS. HURST:** Yeah. Oh, you're right, Your Honor.

7 **THE COURT:** That's not the 1960 one.

8 **MS. HURST:** There is an old study, though, that
9 supports this, Your Honor.

10 **THE COURT:** All right.

11 **MS. HURST:** So there's two purposes here. And the
12 deterrence and prevention of the retention of a wrongful
13 benefit. And the deterrence rationale is completely viciated
14 by what Google proposes to do by apportioning with
15 noninfringing alternatives.

16 Because, as the Court noted, it derives the value down to
17 whatever a hypothetical license price might have been, it
18 behooves the infringer to always take its chances on
19 litigation.

20 **THE COURT:** I tend to agree with that point. That's
21 what -- you said it better than I did. But that's the point
22 I've been trying to make, is that you can always default back
23 to, well, we could have gotten a license, you know. But that's
24 no worse off than if you had gotten a license in the first
25 place.

1 So that does bother me that -- it puts the infringer in
2 the position of: Why not take our chances? We may not get
3 caught. We might get away with it. Why pay all that money
4 now?

5 So I tend to agree with that point.

6 **MS. HURST:** And, Your Honor, Congress has enacted a
7 careful overall IP statutory scheme that distinguishes among
8 different kinds of IP in this regard.

9 Disgorgement of profits is not available under the current
10 version of the Patent Act. It is available under the current
11 version of the Copyright Act and the Trademark Act.

12 And, Your Honor, there's a difference in how one goes
13 about infringing --

14 **THE COURT:** Can I raise a question with you?

15 **MS. HURST:** Absolutely, Your Honor.

16 **THE COURT:** In one of your briefs you mentioned design
17 patents. You didn't mention it now.

18 **MS. HURST:** Yes.

19 **THE COURT:** But the Supreme Court has just granted a
20 review in a case that involves the disgorgement on design
21 patents --

22 **MS. HURST:** Yes.

23 **THE COURT:** -- in the Apple-Samsung case.

24 So I know this is a different statute, but is there going
25 to be anything in that decision that may impact us here?

1 **MS. HURST:** I don't think so, Your Honor, because it
2 doesn't have the burden-shifting scheme and all the other stuff
3 that's going on here.

4 **THE COURT:** You started off a moment ago saying it's
5 this comprehensive scheme.

6 **MS. HURST:** True.

7 **THE COURT:** You left out the patent one. You were
8 seeing what question I might ask.

9 **MS. HURST:** No --

10 **THE COURT:** Is there any value in waiting a year to
11 see what happens?

12 **MS. HURST:** Your Honor, definitely not. I know Oracle
13 has -- you know, this case has been pending since 2010. And I
14 know they would like to get this case to the jury on May 9th,
15 as the Court has scheduled.

16 And I did not deliberately omit that, Your Honor. Here's
17 what I was going to say: When you take something from someone
18 else's copyrighted work, you know you're taking it. You know
19 you're copying from them. You may not have a specific intent
20 to infringe -- although the evidence here would support that
21 inference -- but you definitely know that you copied something.

22 Patents you can infringe all the time without having any
23 idea they are out there. You do something yourself, and it
24 turns out they're there --

25 **THE COURT:** I don't even buy that, though, because the

1 fair use is such an important part of it. Newspapers, for
2 example, all the time quote word for word things. And it's all
3 fair use, so they get away.

4 Then, on the other hand, they did not get away with it in
5 the Gerald Ford case. So it's not that clear, always, that you
6 know or you don't know. So I'm not sure -- I don't know if I
7 agree with what you just said.

8 **MS. HURST:** All right, Your Honor.

9 Here's my point: There's an allocation of risk that is
10 reflected in the statutory scheme. And in the Copyright Act,
11 the Congress has placed the risk on the infringer.

12 The infringer knows they're copying something. They might
13 decide they think it's fair use. They might decide they think
14 it's not copyrightable. We certainly haven't seen any legal
15 opinions to that effect in this case, but they are arguing it.
16 Maybe that's what they thought. Maybe it wasn't.

17 In any event, Congress made a decision to allocate the
18 risk here. And there is actually a very careful allocation of
19 risk reflected in the burden-shifting scheme of 504(b). Not
20 just the remedies that are available, but the burden shifting
21 as well.

22 And the risk that Congress allocated was to the infringer
23 so that the infringer can't just ignore a functioning market
24 for licenses and then make all these arguments later and then
25 get away with it.

1 To use NIAs is inconsistent with that Congressional
2 policy. It's inconsistent with disgorgement in the first
3 instance. And it's also inconsistent with the particular
4 burden-shifting scheme that Congress enacted here.

5 And here's how we know, Your Honor: Because the use of
6 NIAs is one step. They construct this counter- -- very
7 complicated counterfactual, and then they compare it to what
8 they say was the real world. And all in one fell swoop they
9 come up with, this is the answer.

10 That's not what Congress said. Congress said, first,
11 plaintiff proves the gross revenue; then defendant apportions.

12 And what defendant apportions, Your Honor, in the language
13 of the statute, is not noninfringing attributes -- or
14 infringing attributes versus the world of possible
15 alternatives. It's infringing attributes versus noninfringing
16 attributes.

17 So once it gets to the defendant, the defendant has to
18 take it and say, okay, here's the number. Maybe I disagree
19 with your calculation of profits. I've got my own. And then
20 I'm going to separate out the items of value. I'm not going to
21 compare those to everything in the universe that could have
22 been considered.

23 And that's what Congress did. And what they're proposing
24 to do is inconsistent with the text, that scheme, the
25 structure. And it's inconsistent with the policy.

1 And none of the cases support it. And to the extent the
2 cases are on point and not dicta, they counsel against it. In
3 the *Frank* case, Your Honor, we've made much of it in the
4 papers. I don't need to belabor the point, but here's what the
5 Court said in *Frank*. There was an infringing stage show. It
6 was a variety show, so it had a bunch of different scenes.
7 Some of the scenes were from the popular show -- then-popular
8 show Kismet.

9 The Court didn't say, when looking at the box office, the
10 casino revenue or the hotel revenue, how much of this is
11 attributable to those scenes from Kismet?

12 And this is getting to Mr. Van Nest's point a little bit
13 too.

14 The Court said, is there a causal link because the hotel,
15 the casino, the gaming and the hotel operation revenues, are
16 those enhanced by the stage show?

17 And there was one document that the Court relied on in
18 that case. It was the MGM Public Report. And the MGM Public
19 Report said, Our stage shows enhance our casino, gaming and
20 hotel revenue.

21 And that was it. That was enough for the causal link to
22 the show, because the show was the infringement. It included
23 the infringing parts.

24 The Court didn't say, I've got to look at whether it was
25 Kismet that caused somebody to go play at the blackjack table

1 tonight for a few hours. No. That's not the standard.

2 And *Polar Bear* makes that clear too, Your Honor. In *Polar*
3 *Bear* there's a video ad at a trade show. Part of the video ad
4 is a scene with a kayaker going down the rapids. They don't
5 say, did the scene with the kayaker going down the rapids cause
6 the increase in sales at the trade show. They say the expert
7 offered proof that the ad caused an improvement in sales at the
8 trade show. Both the infringing and the noninfringing
9 elements.

10 So the standard here -- Mr. Van Nest is conflating
11 causation and apportionment. And that's partly what's wrong
12 with this whole NIA approach. It conflates causation and
13 apportionment, reduces it to one step and, apart from driving
14 the value down in the hypothetical license, allows the
15 infringer to retain benefits that it actually received in the
16 real world as business circumstances developed from the -- from
17 the use of the infringing material.

18 So, Your Honor, this is not consistent with Congressional
19 purpose to use NIAs.

20 *Frank* said, in the case the defendant argued, Two years
21 after the show started, we took out the *Kismet* scenes. We took
22 out the *Kismet* scenes. They were no longer in there two years
23 later, and our operations kept right on chugging as good as
24 they ever were. We took it out. It's not infringing anymore.
25 Still had a great performance. The Court said no.

1 Now, is that a categorical indictment of noninfringing
2 alternatives in modern language? It is not. But is it on its
3 facts a clear rejection of the principle that Google would have
4 the Court apply here? It is.

5 **THE COURT:** At least on that particular, the Court
6 said that the two-year run with the infringing material in
7 there had momentum that carried forward into the -- you know,
8 helped promote the show. It had already been popular.

9 So it's not quite that clean an example, but, you know, I
10 see your point.

11 **MS. HURST:** So, Your Honor, on the disgorgement point,
12 on the disgorgement causation point, *Polar Bear* says reasonable
13 association, causal link, it's the test. Is there a reasonable
14 association?

15 The Court has articulated our position very well. I don't
16 want to overstep and repeat anything that the Court has said.
17 But it's truly a two-step piece here. The APIs were important
18 to Android, and Android generated the revenue. That is
19 absolutely the reasonable association that we are proffering
20 with respect to this advertising revenue.

21 Now, Your Honor, I think the idea that Android generated
22 the revenue can hardly even be in dispute. I mean, they called
23 it "direct revenue" in their own internal documents. I think
24 we put a picture of one right there in our opposition.

25 Your Honor, I'll hand up to the Court a document called

1 "Introduction to Android." It is Bates-numbered GOOG0010338
2 through -386. And this is a May 2015 document, Your Honor.

3 **THE COURT:** Okay. Thank you.

4 **MS. HURST:** And if we just go to the first text page
5 of this, the platform overview --

6 **THE COURT:** All right.

7 **MS. HURST:** -- the very first bullet point, Your
8 Honor:

9 "The Android ecosystem is central to Google's success
10 over the next three to five years. In 2015, \$15 billion
11 of revenue will occur on the Android platform. 5 billion
12 of direct revenue from planned hardware sales, with an
13 additional 10 billion of revenue from ads on Android."
14 That's bullet point one.

15 Bullet point two:

16 "The platform is critical for distribution of all our
17 products, driving activations and usage at a relatively
18 low incremental cost. The platform is critical."

19 So, yes, they created a search engine. Yes, they created
20 an advertising delivery network. But they needed a mobile
21 device to deliver that in the way that people were expecting
22 them to deliver it.

23 And that goes, Your Honor, to the window of opportunity.
24 In Google's 2004 10-K. It said if we do not capture these
25 existing revenue sources, our search ad revenue on non-PC

1 devices, it is a risk to our business.

2 It's the 2004 10-K. Should I hand it up?

3 **THE COURT:** You don't have to, but did you read it
4 exactly?

5 **MS. HURST:** I will read it exactly, Your Honor. Give
6 me one moment.

7 I have too many binders. Where's my Window of Opportunity
8 binder, guys?

9 All right. It says under the risk factors, Your Honor.

10 "If we are unable to attract and retain a substantial
11 number of alternative device users to our web search
12 services, or if we are slow to develop products and
13 technologies that are more compatible with non-PC
14 communications devices, we will fail to capture a
15 significant share of an increasingly important portion of
16 the market for online services."

17 This is page 58 of Google's 2004 10-K.

18 **THE COURT:** All right. Okay.

19 **MS. HURST:** So, Your Honor, there's a lot of other
20 evidence about window of opportunity. And we summarized it in
21 the appendix to the Malackowski opposition, but I'll just
22 briefly identify a few other pieces.

23 Mr. Rubin testified in his deposition, Mr. Rubin, who was
24 one of the founders of Android and the head of it:

25 "You have a window of opportunity in smart phones.

1 You have to ship as soon as feasibly possible. I mean,
2 you go to extraordinary lengths to ship sooner, because
3 it's a very dynamic market and it could shift direction at
4 any time. So my job was to do everything I possibly could
5 to get my solution to the market in the shortest time
6 possible."

7 And that is, Your Honor, Rubin deposition at 178 to 180.
8 I'll hand up a copy for the Court.

9 **THE COURT:** Didn't you summarize all this in your
10 brief?

11 **MS. HURST:** We did, Your Honor, and in the appendix.

12 **THE COURT:** Just rest on that.

13 **MS. HURST:** All right.

14 **THE COURT:** Time is short, and I don't want --

15 **MS. HURST:** All right. Let me do a little bit of the
16 technical evidence, Your Honor, because that is the stuff that
17 is not so readily understood from the summary in the brief.
18 And it's technical evidence about why Java is important to the
19 Android platform.

20 **THE COURT:** Okay.

21 **MS. HURST:** All right. So we talked a moment ago, and
22 actually I think Ms. Anderson mentioned, the evidence that
23 Android does not work without the 37 APIs or any of them.

24 Your Honor, our expert, Professor Doug Schmidt, who is a
25 computer scientist and a Java expert, tested the significance

1 of 37 APIs in a technical experiment. And I'm handing up a
2 demonstrative, Your Honor, that summarizes the portions of his
3 report that are indicated.

4 So what he did was, first, he removed all 37 of the
5 packages. And he found, of course, that Android failed. He
6 also then removed the individual copied packages. And he again
7 found that each individual package, that the Android platform
8 is dependent on it. It won't compile and it won't run without
9 it.

10 And then, Your Honor, he removed the copied declaring code
11 only. So not the implementing code, nothing else. And it also
12 failed.

13 Now, Your Honor, this is not a complicated noninfringing
14 alternative world scenario. This is a simple dependency test.
15 It is, was the Android platform dependent on the APIs and the
16 declaring code? And the answer to the question is yes.

17 That is not true for every single line of code in Android.
18 There are plenty of things that you could remove and it would
19 still compile and it would still run.

20 It might be that sometime that, you know, some application
21 needs something and doesn't find it. But it is not true --
22 these are the core libraries, Your Honor. And so there is a
23 tighter relationship between the fundamental parts of the
24 platform and what they took and other parts of the platform.

25 And to show that, Your Honor, our expert, Dr. Kemerer,

1 tested the centrality of the copied classes in Android. And he
2 used the page rank method, which is, Your Honor, the invention
3 of the Google founders, Larry Page and Sergey Brin. And I'll
4 hand up Your Honor a demonstrative summarizing the results of
5 what he found.

6 Your Honor, page rank, by the way, as I mentioned, was
7 developed by Larry Page and Sergey Brin. It's the basis for
8 the search engine at Google. And it's a measure of the
9 importance of information in a network.

10 In using page rank, Your Honor, Professor Kemerer
11 determined that the 37 Java API packages are 32 times, almost
12 33 times more important than the other Android Java classes in
13 the platform.

14 That is, their connections to all the rest of the APIs are
15 30 times -- 33 times more significant than the Android Java
16 APIs, the stuff that Google wrote for itself in the Java
17 application framework.

18 Your Honor, if we --

19 **THE COURT:** May I ask you a question about that 37?

20 **MS. HURST:** Yes.

21 **THE COURT:** And this is based upon reading the Federal
22 Circuit decision.

23 The Federal Circuit decision seemed to indicate that three
24 of the -- three of those possibly -- it didn't say for sure,
25 just possibly, might be deemed fair use. Maybe all 37. But

1 that for three of them it might be necessary to have those to
2 even use Java at all.

3 **MS. HURST:** Absolutely right, Your Honor. And that's
4 the next number.

5 **THE COURT:** Well, on here, I mean, have you subtracted
6 out the --

7 **MS. HURST:** We did.

8 **THE COURT:** Okay. Good.

9 **MS. HURST:** We did, Your Honor.

10 **THE COURT:** Let's see what that looks like.

11 **MS. HURST:** We did. It's on here.

12 What we did was, that was actually -- although the Federal
13 Circuit called it 33 packages, what it was was about 60 classes
14 that were in Trial Exhibit 1062 last time around, which
15 Dr. Reinhold testified.

16 So we took out those constrained classes. That's what I
17 call them, Your Honor. They are technically constrained by the
18 Java programming language.

19 We took them out. And then Professor Kemerer tested it.
20 26 times more important.

21 **THE COURT:** All right. So you have -- all of the ones
22 the Federal Circuit was saying might be necessary to use Java
23 all got taken out?

24 **MS. HURST:** Yes.

25 **THE COURT:** All right. So that is the smaller circle,

1 but it's still a pretty big circle.

2 **MS. HURST:** Still a pretty big circle, Your Honor. 26
3 times more important.

4 **THE COURT:** I have this question, though. You see the
5 small dot down there?

6 **MS. HURST:** Yes.

7 **THE COURT:** Are we going on area or are we going on
8 diameter?

9 **MS. HURST:** Your Honor, this is a mathematical
10 representation, correct -- correct on circumference.
11 Circumference, Your Honor.

12 **THE COURT:** You can see how that could be misleading?

13 **MS. HURST:** Yeah. Well, Your Honor --

14 **THE COURT:** If it's area, then you've got to square
15 it.

16 **MS. HURST:** Right.

17 **THE COURT:** I mean, if you are going to get -- if you
18 tried to put 26 of these inside that big circle, you would
19 actually get several hundred in there. And the reason that
20 looks so much bigger is because you're going off of -- you're
21 not using diameters -- circumferences is not squared.

22 **MS. HURST:** Yeah, Your Honor, you're right. We need
23 to fix that.

24 **THE COURT:** So I think you need to fix that.

25 **MS. HURST:** We'll fix that before trial. But you've

1 got the point, Your Honor. Thank you. And, actually, that's
2 exactly right.

3 **THE COURT:** 26.

4 **MS. HURST:** 26 times is a lot.

5 **THE COURT:** It's a big number.

6 **MS. HURST:** It's a big number, Your Honor.

7 Now, the other thing that our technical experts tested are
8 the relationship of applications and the platform to the
9 APIs -- sorry, relationship of applications to the APIs, the
10 infringing APIs, Your Honor. And they looked at a couple of
11 different things. They looked at Google's applications and
12 they looked at popular third-party applications.

13 And I'm going to hand up two slides on that, Your Honor.

14 **THE COURT:** All right.

15 **MS. HURST:** So on the Google applications -- let's
16 start there, Your Honor. This is just ranked in descending
17 order of the Google applications. How many of the 37 packages
18 they depend upon.

19 The one I really want to call to the Court's attention is
20 Google Search at 15, 15 of the 37 packages. Every dollar they
21 earned on that search advertising came from an app that was
22 dependent on 15 of the packages.

23 Now, Your Honor, I could stand here all day long and argue
24 about why this is not an indirect profits case; it's a direct
25 profits case. *Polar Bear* says it doesn't matter. The test is

1 the same. Is there a reasonable association?

2 This dependency analysis is direct evidence of a link
3 between the APIs and the search advertising revenues. No
4 matter what you say the standard is -- and Mr. Van Nest has it
5 wrong -- this would meet it, Your Honor.

6 And, Your Honor, it's also clear that popular third-party
7 applications use the copied packages in the platform. And
8 that's the other slide, the other demonstrative that I
9 provided, Your Honor.

10 These were some examples of the most popular that we've
11 listed here. Facebook. Instagram. EBay. Browsers. Fruit
12 Ninja's, a game. NetFlix. Angry Birds Rio. And all of them
13 use the Java API packages in the platform.

14 Our expert looked at the top 100 third-party apps, found
15 that the average number of dependencies was 11 and a half; the
16 minimum was 3; and the maximum is 23. And they produced
17 schedules, Your Honor, with all this testing and showing all of
18 it.

19 **THE COURT:** Who is the expert who did all this?
20 Kemerer?

21 **MS. HURST:** Kemerer, Your Honor. And he's a professor
22 at the University of Pittsburgh and Carnegie Mellon. He's both
23 a computer scientist and a business professor. So he's kind
24 of -- he's an economist actually. He studies software metrics
25 like this. And he's just the right guy to come and talk about

1 software metrics and how to measure importance in software.

2 And that's what he's done here.

3 And, Your Honor, there's one more thing that he did. And
4 I mentioned this during my argument earlier. It was about the
5 stability that was contributed by the 37 Java API packages to
6 the Android application framework.

7 And I'm handing up a demonstrative showing that analysis
8 as well.

9 So there are two diagrams here, Your Honor. The one on
10 the left is the core libraries. And it shows how the Java
11 APIs -- and this is just the declaring code, by the way, Your
12 Honor -- drove the stability in the core libraries in the
13 Android platform over the entire period of its release.

14 So that first diagram shows the red. That's the 37 copied
15 Java APIs. Very few changes, very stable. The purple is the
16 rest of what's in the core libraries that's contributed by
17 Google. Unstable, changing all over the place.

18 But because the copied Java APIs are such a significant
19 part of the core libraries, they stabilized -- you can see
20 that's the green line, Your Honor -- stabilized the core
21 libraries as a whole, kept it relatively flat.

22 And then we can look at that core libraries line in the
23 second graph -- and that's the green line again; it carries
24 over -- and compare it to the Java application framework as a
25 whole. And you can see that that core library part of the

1 framework was crucially important stability to the overall
2 application development.

3 The other stuff that they were writing was changing all
4 over the place.

5 **THE COURT:** Well, when you say it's changing, this
6 just looks like there were more packages of it. It doesn't --
7 I assume that the later versions are backward compatible --

8 **MS. HURST:** Well --

9 **THE COURT:** -- with the programs written a couple of
10 years earlier, that even though they have -- the new Android is
11 more capable, it still will run the old applications. Or am I
12 wrong about that?

13 **MS. HURST:** Actually, that is absolutely the point of
14 this analysis, Your Honor. When those declarations change, it
15 breaks things. And that's why app developers don't like it.

16 And so, Your Honor, they had to clooge it up and fix it.
17 And over time they fixed it by having this thing called Google
18 Play Services, which tried to maintain compatibility and
19 diminish fragmentation, that they were suffering significant
20 fragmentation across their versions of Android. And so --

21 **THE COURT:** So maybe I misunderstood. So this one on
22 the left, on the purple line, is indicating that on the
23 noncopied APIs, the ones you call Google core libraries, you're
24 saying that those were so goofed up and full of bugs that these
25 numbers are actually changes and deletions to fix them?

1 **MS. HURST:** Yes. Well, whether it's buggy or whether
2 they're making changes for business reasons, the bottom line
3 is -- and I didn't bring the chart on this, Your Honor.
4 Professor Kemerer found that, you know, the API became
5 stable -- the Java API became stable after ten years. And it
6 basically gave Android this huge measure of stability
7 throughout this period, which was tantamount to about an 8-year
8 head start. And he will come and testify to that effect.

9 And, Your Honor, that's --

10 **THE COURT:** Why were there any -- the red line does go
11 up some. Why were there any changes to -- to the 37?

12 **MS. HURST:** Your Honor, because there were changes as
13 Versions 6 and 7 of Java were released. And Google
14 incorporated those changes as it went along.

15 **THE COURT:** All right. Let me ask you a question. Is
16 there a motion directed at Kemerer?

17 **MS. ANDERSON:** Yes, there is, Your Honor.

18 **THE COURT:** Have we gotten that one yet?

19 **MS. ANDERSON:** We have not. You haven't scheduled it
20 for argument yet, Your Honor.

21 **THE COURT:** Okay. All right. We need to move on.

22 **MS. HURST:** All right. Your Honor, bottom line, we
23 summarized all the evidence in the opposition. There's a
24 window of opportunity. There's technical dependency and,
25 frankly, technical significance, a high degree of technical

1 significance to the platform. And then there's the carriers
2 and the commercial circumstances related to the carriers and
3 the OEMs.

4 And there are a number of documents saying the carriers
5 require it. These are all summarized in our appendix, Your
6 Honor. The carriers require it. The OEMs, they have
7 credibility with the OEMs, with 180 carrier deployments. Java
8 dominates the wireless industry. It dramatically accelerates
9 our schedule. We're building a Java-based system. That
10 decision is final. They showed their functional requirements
11 to the carriers and to the OEMs.

12 These actually list out the APIs, Your Honor. They gave
13 documents to the OEMs that actually list out in them the
14 infringing APIs so that they would know that they were in here.

15 And, Your Honor, all of that --

16 **THE COURT:** What year did that happen?

17 **MS. HURST:** One minute and I'll hand one up here, Your
18 Honor.

19 **THE COURT:** It's okay.

20 **MS. HURST:** They're going to get it to me and I'm
21 going to hand it up in a moment, Your Honor. I apologize.

22 **THE COURT:** That's all right.

23 **MS. HURST:** We have it, and they list them out.

24 Anyway, Your Honor, this whole thing can be summarized by
25 what Mr. Lindholm said in 2010, when they -- you know, Oracle

1 had purchased Sun, and there was a new sheriff in town. And
2 Mr. Lindholm went and he looked -- Mr. Lindholm looked as hard
3 as he could to find any other alternative. Which, by the way,
4 Open JDK was there then, too, Your Honor. And he said, All the
5 alternatives suck. We need to take a license.

6 Your Honor --

7 **THE COURT:** Now, is he talking about -- is that the
8 famous Lindholm email?

9 **MS. HURST:** It is, Your Honor.

10 **THE COURT:** The other side said the other day that
11 that was only talking about patents. Is that true?

12 **MS. HURST:** It doesn't say that on the face of the
13 document, Your Honor.

14 **THE COURT:** Well, what does the -- what do the other
15 lead-up memos say or emails say?

16 **MS. HURST:** Well, so Your Honor excluded this. And I
17 don't want to do anything to open the door to it. So just to
18 be clear, we're not talking about settlement negotiations;
19 right?

20 What the lead-up to it was, was Oracle was -- you know,
21 the parties were discussing whether a license needed to be
22 taken. And both patent and copyright were part of that
23 discussion. Copyright is one.

24 **THE COURT:** Is that right?

25 **MS. ANDERSON:** No.

1 **THE COURT:** Since we're on this, why isn't that right?

2 **MS. ANDERSON:** It's not correct, Your Honor.

3 The -- there's actually a PowerPoint associated with the
4 meeting that happened between Google and Oracle prior to Oracle
5 suing Google.

6 In that presentation, Oracle threatened Google with patent
7 lawsuit. And that's outlined throughout. There's -- the word
8 "copyright" or "copyright allegations," much less copyright
9 allegations against the declarations in SSO at issue here --

10 **THE COURT:** I'm sorry. Are you saying the word
11 "copyright" was in here or was not in there?

12 **MS. ANDERSON:** Was not.

13 They talk about -- they talk about a series of patents
14 throughout this PowerPoint presentation. And the only argument
15 that, to my knowledge, Oracle has seized upon to try to suggest
16 that copyrights were addressed in this PowerPoint is an
17 allusion in a bullet point to something about rights to copy
18 something. So copyrights were not at issue and were not
19 threatened as part of that presentation.

20 One of the problems is that the Lindholm email is
21 something that happened after that, after that particular
22 meeting between Oracle and Google.

23 And one thing we have flagged in -- I believe it's one of
24 our summary -- it's one of our summary -- oh, the one that you
25 had said you might hear orally after openings, Your Honor, is

1 that were Oracle to use this document and present it to the
2 jury to suggest this is an admission by Google that it knew it
3 needed a license to use the declarations in the SSO, Google
4 needs to be able to explain no, in fact, this is on the heels
5 of a patent infringement lawsuit threat. And that's the issue.

6 **THE COURT:** Well, why wouldn't we able to do that?
7 Why wouldn't that be admissible?

8 **MS. HURST:** I'd like to hand up a document that we're
9 talking about, Your Honor, if that's all right.

10 **THE COURT:** You can. But if the Lindholm thing is
11 going to be used, we certainly are going to let Google explain
12 the context and what Lindholm had in mind. Even if that
13 involved settlement discussions.

14 So, all right. What do you want me to look at here on --

15 **MS. HURST:** Your Honor, I just want to show you. It
16 says, "We've been asked to investigate what technical
17 alternatives exist to Java for Android and Chrome."

18 It doesn't say what technical alternatives that don't
19 infringe the patent. It says "what technical alternatives."

20 The parties discussed other IP at the time. And he
21 doesn't say, I only investigated what technical alternatives
22 would work here to get around patent infringement.

23 And they're even talking about Objective C, which is one
24 of Dr. Leonard's noninfringing alternatives.

25 So this is -- this is exactly what we're talking about

1 here when we're talking about noninfringing alternatives.

2 **THE COURT:** Well, what was the -- what was he
3 responding to here? And do we have anything more to and from
4 Andy Rubin, Dan Grove, Lindholm about the context of this
5 email?

6 **MS. HURST:** Your Honor, the Court issued an order on
7 this in the first phase. That is at ECF Number 676. And the
8 Court -- the Court may recall they tried to withhold this as
9 privileged. And the Court noted in its order:

10 "Mr. Lindholm was a former Sun engineer who cowrote
11 the book *The Java Virtual Machines* Specification, was a
12 member of early Java development teams. He joined Google
13 in July 2005 and immediately worked on Android as a
14 generalist and interpreter of the engineering business and
15 legal ecosystems. One of his roles on the Android team
16 was to help negotiate a license for Java. Mr. Lindholm's
17 backgrounds shows he was quite knowledgeable about Java
18 and Android technology as separate platforms, any
19 potential crossover. Or so a reasonable jury could find.

20 "His admission that Google needed a Java license is
21 relevant to the issue of infringement. The email is also
22 relevant to damages. It goes to show that Google had no
23 viable alternatives to Java. It goes to willfulness
24 because the email was sent after Oracle accused Google of
25 infringement."

1 Then the Court does qualify that statement by referring to
2 high likelihood that Google's actions constitute an
3 infringement of a valid patent.

4 Your Honor, the Court carefully circumscribed what could
5 be said about this document the first time around, in the first
6 part of the case.

7 **THE COURT:** What did I -- I don't remember that, but
8 what did I say was a limitation?

9 **MS. ANDERSON:** Your Honor, the order that Oracle's
10 counsel was reading from obviously was an order Your Honor
11 issued in a case that had patents in it. And that's why Your
12 Honor talks about its relevance to patent case.

13 And during the trial testimony, Mr. Lindholm was allowed
14 to testify in matters as long as it wasn't a matter on which --
15 I'm paraphrasing Your Honor's order, but if it wasn't a matter
16 on which Google had instructed Mr. Lindholm not to answer on
17 grounds of privilege.

18 So counsel was allowed to ask questions that basically had
19 not been instructed upon. And I think we even got Your Honor's
20 guidance on one or two questions.

21 **THE COURT:** You mean we've got that problem here too,
22 that he stonewalled in the deposition?

23 **MS. ANDERSON:** Well, no. Actually, Your Honor, we do
24 not believe any stonewalling evolved.

25 The 408 PowerPoint we are talking about is something that

1 is available to both parties. It's a document Oracle prepared.
2 It was a presentation to Google of what they were threatening
3 was the subject of suit. And it was given to Google.

4 That is the context that the jury would need to understand
5 for that email to make any sense. All of this is on the heels
6 of a threat of litigation that came out of the blue from
7 Oracle, who was shifting its position --

8 **THE COURT:** Well, why don't you -- hold on. Look. I
9 can just tell you the answer.

10 I don't remember exactly what I said last time, so this is
11 tentative. But this email certainly should come in. I'm sorry
12 that you forgot to put the word "copyright" or "patent" in
13 here, but it doesn't say that. It says "Java." Everything
14 "sucks" but Java. So one reasonable inference is that you
15 needed a copyright license. True, there were patent issues
16 too. But -- all right.

17 So if he wanted -- if Mr. Lindholm wants to get on the
18 stand and say, "Oh, no, I didn't mean patent, I meant copyright
19 or I meant both," and if he wasn't precluded by refusals to
20 answer in the deposition, then he can testify to that. And you
21 could put on the slide show that shows that they were talking
22 about copyright -- I'm sorry, talking about patents.

23 **MS. ANDERSON:** Patents, yes.

24 **THE COURT:** But there's no way I would keep this out
25 of evidence on your say-so that he must have just meant

1 patents.

2 **MS. ANDERSON:** And actually, Your Honor, we raised it
3 in a way not to ask that the Court exclude it period. We said
4 to the Court, Your Honor, if this is going to come in, if
5 Oracle is going to offer it and Your Honor allows it in,
6 please, Your Honor, you also need to allow in evidence from
7 Google explaining what it was.

8 And Oracle is taking the position in this case that we're
9 not allowed to offer in the PowerPoint, that we're not allowed
10 to explain that premeeting, that it's all barred, that they get
11 to hide -- you know, hide behind 408 for that, but still offer
12 this in evidence in the issue.

13 **THE COURT:** Well, I'm pretty sure that Google is right
14 on that one, and Oracle is wrong. Because the discussions only
15 protect -- 408 only protects actual offers. It doesn't protect
16 slide shows that show why you need -- I don't think it goes
17 that far. Anyway --

18 **MS. HURST:** Your Honor, may I --

19 **THE COURT:** If you're going to use this, Ms. Hurst,
20 you're not going to be unfair about it. They get to say their
21 side to it.

22 **MS. HURST:** Understood.

23 **THE COURT:** You can't have it -- this is still
24 America. And they get to have their side of the story told to
25 the jury.

1 **MS. HURST:** So here is the problem I have with that,
2 Your Honor. And I understand what the Court is saying. We've
3 got two issues.

4 First, it wasn't just a PowerPoint. It was a discussion
5 at which a bunch of lawyers and executives were present. So
6 they're going to get dragged in to testify about what was
7 actually said. And copyright was said. I'll tell that you,
8 number one.

9 Number two, if they're going to open the door to
10 settlement discussions, then we want to make an offer of proof
11 to the Court about what was said to the mediation in front of
12 Judge Grewal the first time around, and what Mr. Rubin said
13 about whether he could use Open JDK or not in those
14 discussions.

15 I won't disclose the content any further than that, Your
16 Honor. But if they're going to open the door to settlement
17 discussions, it's going to go right back to Open JDK.

18 **MS. ANDERSON:** Your Honor, obviously, the point that
19 Oracle's counsel just raised, that the subject matter of
20 mediation discussion, which is absolutely privileged, is in any
21 way relevant to what Mr. Lindholm might have meant back at that
22 time --

23 **THE COURT:** Was Lindholm in the meeting where these
24 PowerPoints were shown?

25 **MS. HURST:** I do not believe so. I don't know, Your

1 Honor.

2 **THE COURT:** Well, who asked him to -- was Andy Rubin
3 in that meeting?

4 **MS. ANDERSON:** I'll have to double-check. I don't --

5 **THE COURT:** Well, somebody asked Lindholm to do this.

6 **MS. ANDERSON:** We'll confirm, Your Honor.

7 **THE COURT:** Somebody asked Lindholm to conduct his
8 review. And maybe that person was in the meeting.

9 **MS. HURST:** So the Court in its --

10 **THE COURT:** Why don't we get Lindholm to tell us what
11 he meant here.

12 **MS. ANDERSON:** Right, Your Honor.

13 **THE COURT:** What will he say?

14 **MS. HURST:** He refused to say at his deposition, Your
15 Honor. And that's the problem.

16 **MS. ANDERSON:** I don't believe that's entirely
17 accurate.

18 Your Honor, I would need to review the transcript to make
19 sure that I provided to you accurate testimony of what
20 happened, because that was not a subject for today. I didn't
21 have it before me. But, yes, we will check to see exactly what
22 he said in deposition and exactly what he said in trial. We
23 will confirm that for Your Honor.

24 **MS. HURST:** I'll read to the Court its prior order.

25 **THE COURT:** What is it?

1 **MS. HURST:** (As read:)

2 "Specifically Tim Lindholm refused to answer on
3 grounds of attorney-client privilege and work product
4 doctrine the following questions:

5 "First, what technical alternatives to Java he
6 investigated.

7 "Second, who thought the alternatives all sucked?

8 "Third, what he meant by technical alternatives.

9 "Fourth, what license terms he had in mind.

10 "Fifth, whether any statements of fact or opinion he
11 made in the email were false."

12 Those were all questions that they refused to let him
13 answer in the depo asserting attorney-client privilege. And
14 they moved to exclude the presentation in the first trial under
15 Rule 408.

16 So they can't come here now and say that somehow that he
17 gets to say that this was just patent, because --

18 **THE COURT:** I wish one of you had let me -- brought
19 this up sooner. Maybe what we would have done is just say go
20 depose this guy again, and I'm going to order him to answer all
21 those questions.

22 Why didn't somebody serve that up to me?

23 **MS. HURST:** Your Honor, Google took a position
24 throughout discovery that they would not agree to permit the
25 redeposing of any witness who was previously deposed regarding

1 matters that occurred prior to the first trial. And they
2 steadfastly refused to produce any witness on that subject
3 matter.

4 And rather than burden the Court with a discovery dispute
5 of that sort, we, you know, proceeded as if we would be limited
6 to -- and also in light of the Court's comments about how we
7 were not going to reopen everything, we proceeded and took
8 depositions regarding the later time period.

9 **MS. ANDERSON:** Your Honor --

10 **MS. HURST:** So they absolutely refused to produce any
11 witness, categorically refused to produce any witness to come
12 testify about anything that happened before the first trial.

13 **MS. ANDERSON:** Your Honor, I am afraid that is
14 incorrect. And actually the protocol we followed for this
15 retrial discovery was a protocol that we reached agreement on
16 in large part because Oracle also did not want to have all its
17 witnesses redeposed.

18 There was no specific request from Oracle to redepose
19 Mr. Lindholm --

20 **THE COURT:** You could have brought it up too. I mean,
21 you could have been thinking there: My God. We're in such a
22 jam. We told him not to answer those questions. He refused,
23 we can serve him back. He can answer those questions, and then
24 we won't have that problem.

25 **MS. ANDERSON:** I would like to point out, Your Honor,

1 that none of the questions that I understand that have just
2 been read from the record from Oracle's counsel is a question
3 about what is meant by the word "Java."

4 So, in any event, this is an issue that we only raised to
5 the Court because we did see it as a situation where Oracle was
6 seeking to introduce a document in the record but preclude us
7 from offering a document that would explain it. And we raised
8 it to Your Honor to ask that the Court provide us with --

9 **THE COURT:** I'm looking for the nexus. All I have is
10 your say-so that that slide show has anything whatsoever to do
11 with this. You have no offer of proof. You can't show the
12 connection between -- Lindholm wasn't even at the meeting.

13 **MS. ANDERSON:** We certainly can provide context that
14 will make it relevant, Your Honor. And we can also bring with
15 us hard copies of that presentation tomorrow, if that's helpful
16 to the Court.

17 **MS. HURST:** Your Honor, the bottom line is the guy was
18 asked a bunch of questions about the document. At least two of
19 these, probably more, three of them at least would have
20 elicited the answer "Open JDK," if that's what they meant, and
21 would have elicited a copyright license, if that's what they
22 meant.

23 What were the technical alternatives? Open JDK.

24 What did he mean by technical alternatives? Open JDK.

25 **THE COURT:** How are you going to explain at trial that

1 he didn't mention Open JDK?

2 **MS. ANDERSON:** Your Honor, what we are going to offer,
3 if Oracle offers this document, is that this witness was asked
4 about -- this witness was discussing Java on the heels of a
5 threat from Oracle just about patent litigation.

6 And there is a material difference between a copyright
7 license that people are talking about in the FAQs, and
8 otherwise, to Open JDK and a patent lawsuit that Oracle is
9 threatening.

10 So we have two different issues here. Oracle continues to
11 try to mix apples and oranges, as if copyrights and patents in
12 these numerous email discussions as if they are the same, and
13 they are not.

14 **THE COURT:** Let me ask a question. In that meeting,
15 Ms. Hurst, where the slides were shown that preceded this
16 email --

17 **MS. HURST:** Your Honor --

18 **THE COURT:** Wait, wait, wait.

19 Go ahead. Make your point, and then I'll ask my question.

20 **MS. HURST:** Okay. Your Honor, I have statements made
21 from the prior trial record.

22 Ms. Anderson, argued at 2827-2828 of the prior trial
23 record:

24 "There are declarations before this Court where
25 Mr. Lindholm made clear several times that he never

1 engaged in a patent infringement analysis with respect to
2 the Android platform ever with regard to any patent."

3 Mr. Lindholm signed a declaration, which is found at
4 ECF 497-1, when he said:

5 "When I wrote the email, I had never reviewed the
6 patents. And I did not, in fact, undertake to analyze
7 whether the Android platform infringes any of the patents.
8 I conducted no analysis of and had no opinion about
9 whether the Android platform actually infringes any of the
10 patents."

11 And then he refused to answer a question in his depo on
12 what were the technical alternatives and what license terms he
13 had in mind.

14 Your Honor, what license terms he had in mind. That is
15 directly on point here. The guy says the alternatives all just
16 suck. He didn't conduct a patent infringement analysis. That
17 only leaves one thing. This is about copyright.

18 **MS. ANDERSON:** Actually, Your Honor, the context of
19 all these earlier discussions about Mr. Lindholm and the
20 motions in limine that concerned the email all related to the
21 fact that Oracle was trying to seize upon this document as
22 evidence that Mr. Lindholm was some kind of technical expert
23 who had analyzed Android and determined that it was infringing,
24 and infringing period. Because Oracle was careful not to be
25 specific about what they were talking about.

1 And we had been trying to, among other things, make clear
2 for the Court certain aspects of Mr. Lindholm's testimony. And
3 that is part of the testimony that was read.

4 That doesn't change the fact that what Oracle is trying to
5 do here is to conflate patents and copyrights to make the jury
6 think that this is a witness who is admitting that Java
7 copyrights and copyrights to APIs labels, which is just the
8 declarations, that that is somehow being admitted in this
9 email.

10 We are simply saying, for purposes of putting this in
11 context -- and obviously the burden is on Google to make the
12 connection, but that presentation, the 408 presentation and the
13 things that went on in that time period, established that
14 Mr. Lindholm couldn't have been talking about a concern about a
15 copyright lawsuit, because the only thing in the air was a suit
16 threatened by Oracle.

17 **MS. HURST:** Your Honor --

18 **MS. ANDERSON:** A patent suit threatened by Oracle.
19 Excuse me. I left a word out.

20 **THE COURT:** No more.

21 **MS. HURST:** Yeah.

22 **THE COURT:** No more.

23 At some point I just have to go with what the words here
24 are. And Lindholm says that -- he doesn't say "patents." He
25 doesn't say "copyright." He says that "Larry and Sergey said

1 to investigate what technical alternatives exist to Java for
2 Android and Chrome. We have been over a bunch of these and
3 think they all suck. We conclude that we need to negotiate a
4 license for Java under the terms we need."

5 Now, that's -- why do I even have to get into whether it
6 was copyright or patent or whatever? This is pretty good
7 evidence that Google gave it some thought. And whatever
8 alternatives were on the table back then, they all sucked.

9 **MS. ANDERSON:** Your Honor --

10 **THE COURT:** And if you want to get somebody to come in
11 here and explain it away, maybe you can, subject to preclusion
12 on account of refusing to answer questions.

13 **MS. ANDERSON:** Because, Your Honor, that statement,
14 that last statement is what is at the heart of this. Oracle
15 wants to use it for the jury to hear the statement that we need
16 a license to Java.

17 But the need for a license is a comment made in the
18 context of a threat that was just made by Oracle to sue on
19 patents. And how can the jury -- have Oracle argue to the jury
20 that, oh, this is about an admission that they needed a license
21 to the copyright.

22 We need to be able to say threat here from Oracle, threat
23 for a patent lawsuit. By the way, a patent lawsuit that Google
24 won. This was a specious threat because they had no basis to
25 sue us for patent. And we won that before a jury.

1 So there's a whole bunch of can of worms opened by this
2 email. But one thing that's very clear is putting it in
3 without context is wholly unfair to Google.

4 **THE COURT:** Well, I have told you that Mr. Lindholm
5 could come in here all day long and testify about what he meant
6 and accepted the fact that somebody on your side had the idea
7 to instruct him not to answer questions.

8 And when you do that, you are taking a huge gamble that
9 what the judge is going to do is exactly what I did last time,
10 which is you can't have it both ways. You can't stonewall in
11 discovery, only to later say, oh, we take all those back.

12 So I -- there's no doubt that this email should come into
13 evidence. And the only issue is how much you get to explain.
14 And if Lindholm hadn't stonewalled in the deposition, he could
15 explain all day long what he meant.

16 But he -- he refused to answer certain questions, and
17 there are consequences for doing that.

18 So if there is some unfairness here, who started that
19 unfairness? It's your side.

20 **MS. ANDERSON:** Actually, Your Honor --

21 **THE COURT:** You can't blame Oracle for this one. You
22 are the one that instructed him not to answer.

23 **MS. ANDERSON:** Your Honor, we asserted valid
24 attorney-client privilege instructions. And, in fact, because
25 the communications at issue were privileged to which

1 Mr. Lindholm would have had to answer, we needed to assert
2 those instructions. But he answered a whole host of other
3 questions.

4 And there's -- the only unfairness that would happen here
5 is if the jury sees this and doesn't get to know the context.
6 Because the concern about a license that he's talking about is
7 because we were just sued -- we were just threatened with suit
8 by Oracle for a patent infringement case. That's the fairness
9 issue. And really unfair here when we won the patent case.

10 So we wanted to make sure Your Honor saw this issue.
11 That's why we raised it by motion in limine and --

12 **THE COURT:** But you could have made the decision to
13 waive any privilege on that. You decided to stand by the claim
14 of privilege and to keep the other side from knowing that
15 information. Now you want them to know it and you want to be
16 able to use it. So if there's any unfairness here, maybe
17 you're the one that caused the unfairness.

18 **MS. ANDERSON:** Well, there's no privilege in terms of
19 attorney-client attaching to the 408 presentation or other
20 facts that surround that. And witnesses testified about it in
21 depo.

22 **THE COURT:** But you have to make a connection.

23 **MS. ANDERSON:** And we know that's our burden to do.
24 We understand that, Your Honor.

25 **THE COURT:** Well, I'm not making final rulings on any

1 of that. I've given you some indications.

2 All right. I've got to bring this to a close.

3 **MS. HURST:** All right. Your Honor, the fundamental
4 point here is there was a window of opportunity. They needed
5 Java. They didn't have any alternatives. Java is -- the
6 APIs -- one more document, Your Honor. Trial Exhibit 215.

7 **THE COURT:** One more. Honestly, I've got some things
8 to raise.

9 215, at least it's mercifully short.

10 **MS. HURST:** (As read:)

11 "With talks with Sun broken off, where does that leave
12 us regarding Java class libraries? Ours are half-assed at
13 best. We need another half an ass."

14 Java API.

15 **THE COURT:** They must go to school to learn to write
16 emails like this.

17 (Laughter)

18 **THE COURT:** The jury is going to love these emails.

19 **MS. HURST:** Bottom line, Your Honor, this evidence
20 gets us over the *Daubert* hump for Mr. Malackowski to testify
21 that these revenues are reasonably associated with the
22 infringement. Java is important to the Android platform.

23 **THE COURT:** All right. Thank you.

24 I need to raise some things with all of you.

25 What motions in limine have I set for tomorrow?

1 **MS. HURST:** Are we continuing with damages? I think
2 that's what we thought.

3 **THE COURT:** I thought we were. But I'm fuzzy enough
4 now, I don't remember which ones they are.

5 **MS. ANDERSON:** I think, Your Honor, you're still
6 probably working on the Malackowski motion in limine.

7 **THE COURT:** No, we've heard enough on that one.

8 **MS. ANDERSON:** Okay. We need to complete the Leonard
9 motion in limine, which finishes up the apportionment side of
10 the issues. And then Dr. Kearl --

11 **THE COURT:** But I don't want to hear anything more
12 about noninfringing alternatives. In fact, I don't want to
13 hear any more about that. It's an important issue, but we've
14 got so many other things to cover.

15 **MS. ANDERSON:** Right. One thing we request permission
16 to do tomorrow, Your Honor, though, is just to give a brief
17 overview of the counterfactuals that Dr. Leonard had done so
18 the Court understands it, because we don't believe they are
19 all --

20 **THE COURT:** Every one of them is a noninfringing
21 alternative, except for the ones where he has got 1.4 percent
22 he allocates based on lines of code.

23 **MS. ANDERSON:** Well, actually, we don't believe they
24 are all noninfringing alternatives. We wanted tomorrow perhaps
25 just to take a few moments to explain that to the Court.

1 **THE COURT:** All right. Maybe.

2 What other motions do I have?

3 **MS. ANDERSON:** And Dr. Kearl-related motions.

4 **MR. COOPER:** Yes. We would like to have Dr. Kearl
5 addressed tomorrow since he will not be here after that.

6 **THE COURT:** All right. We're going to do Dr. Kearl --
7 two --

8 **MR. COOPER:** There are two.

9 **THE COURT:** All right. We'll do those in the morning.
10 And then maybe if we have excess time, we'll go to Kemerer
11 because we brought him up today.

12 Okay. I've got a few other things I want to ask you-all
13 about. I'm going to -- I'm just going to lay out some problems
14 for you. I don't have answers. That's why we have brilliant
15 lawyers.

16 But I'm -- the Federal Circuit, as I said, drew a possible
17 distinction between 3 versus 34. And maybe the jury would
18 decide it was 15 versus 12 or 22, using the word "necessary" to
19 use the Java Language. Maybe even all 37. Who knows.

20 But there is a more-than-distinct possibility that the
21 jury would find that 3 were fair use. Yet, not a single one of
22 your reports -- well, that's not quite right. The Kemerer
23 report has that smaller circle in there. All right. So I
24 stand corrected.

25 But you need to be aware of what happens to the expert

1 reports, and are they even useful to the jury if the jury
2 decides that it's not 37, but 34, or some other number, like
3 12. There you go. I raise that for you.

4 Next question: How much of what happened before the Court
5 of Appeals before the Federal Circuit will be explained to the
6 jury?

7 I can imagine different scenarios. I hope the lawyers
8 will agree on this. One scenario would be to say absolutely
9 nothing. Another scenario would be to explain that the entire
10 litigation -- we say the lawsuit got filed in -- was it 2010 or
11 2012?

12 **MS. HURST:** 2010.

13 **MR. BICKS:** '10.

14 **THE COURT:** 2010. We went through a whole trial, hung
15 verdict, goes up on appeal in the federal circuit. You know,
16 explained that I ruled a certain way, the Federal Circuit
17 reversed me, and we're bound to honor what the Federal Circuit
18 said. Play the recording where the Google lawyer says, "Purely
19 commercial."

20 I don't know the answer to this, but there are some good
21 reasons and not so good reasons to let the jury know the
22 procedural history of the case.

23 There's the same thing, but not quite as problematic with
24 the prior trial, with the testimony. For certain, witnesses
25 are going to get on the stand and say something different than

1 they said last time. If it didn't happen, it would be an
2 unusual trial.

3 Okay. So then right away the other side is going to want
4 to impeach them up and down with their prior testimony. So
5 what do we say is the origin of that testimony? That's just
6 one -- one possibility. I've asked you already to give me your
7 input on that in the final pretrial statement.

8 When is that due, by the way?

9 **MS. HURST:** Wednesday.

10 **THE COURT:** This coming Wednesday? Tomorrow?

11 **MS. HURST:** Tomorrow. Oh my, God. Tomorrow.

12 **THE COURT:** I guess -- I guess each of you will be
13 doing a lot of talking between now and then.

14 But, you know, we need -- we've got to decide. I can't
15 just -- I just can't let you lawyers leap up and make a
16 unilateral decision to play the tape where Mr. Van Nest is
17 conceding away the case before the Federal Circuit. I'm
18 exaggerating greatly there. He didn't. But when they say it
19 was a purely commercial right, and whoever it was for your side
20 said right, well, probably you should just admit it and not let
21 that be an issue in the case.

22 But if it is going to be an issue in the case, I'm put in
23 a tough spot. I probably would allow that recording in. That
24 would be very dramatic. The jury would hear from Washington,
25 D.C., the voices of the judges coming out of the ceiling asking

1 the lawyer. It would be like, you know -- but I can't imagine
2 that that's not admissible, but I don't know.

3 I can also imagine things that Oracle would hate to have
4 come out. This is going to cut both ways. So maybe an
5 agreement would be in order.

6 Here's another agreement. You know, I gave you two days
7 to decide whether these expert replies that I got exercised
8 over would be usable on the initial appearance by that witness,
9 or whether or not that's sandbagging and it shouldn't be
10 allowed.

11 I invite you, but I'm not requiring you, to just stipulate
12 that they will be deemed to be part of the opening report on
13 both of those two experts. That way you've got one less thing
14 to worry about and one less thing that I've got to worry about.
15 But if you can't, you've got to brief it on the schedule that I
16 gave you.

17 Let's see. I had another thought. Let me just tell you
18 how this works from the point of view of the poor judge.

19 Mr. Cooper, you were coming forward to say something?

20 **MR. COOPER:** Yes. Just before the break, you asked if
21 Judge Kearl wanted to make a comment on anything that was
22 discussed.

23 **THE COURT:** Yes.

24 **MR. COOPER:** And there is one item that he would like
25 to.

1 **THE COURT:** But he's not a judge yet. You said
2 "Judge Kearl."

3 **MR. COOPER:** I'm sorry. Dr. Kearl. He's not a judge,
4 no.

5 **THE COURT:** I don't want to elevate him to that
6 status.

7 Okay. Let's hear what he has to say.

8 **MR. COOPER:** Okay.

9 **THE COURT:** Professor Kearl.

10 **MR. COOPER:** Professor, doctor, yes.

11 **DR. KEARLE:** I'm grading this week, so my students
12 think of me as a judge.

13 I hope the following short comment is helpful to the Court
14 when thinking about causal nexus. And I almost have nothing to
15 say about this. It's a legal issue. But if you think about
16 this as the benefits to Google, there are two benefits Google
17 could get. One is greater ad revenues. The other benefit is a
18 lower cost of getting those ad revenues.

19 I agree with Google that the ad revenues, at least so far
20 as I can see, are the same on non-Android devices as on Android
21 devices, at least presently. But the costs are substantially
22 lower. Google pays much lower traffic acquisition costs on
23 Android devices than it does on ads on non-Android devices. So
24 Google's net revenues are higher because of Android.

25 And then the question goes to -- the question Ms. Hurst

1 addressed about whether or not Android is -- the 37 APIs drive
2 that. But Android certainly, at least in my view, provides at
3 least a cost-saving benefit that directly accrues to Google.

4 **THE COURT:** So how does that affect the 8.8?

5 **DR. KEARLE:** This just goes to the issue about whether
6 or not there is a causal relationship. The 8.8, in my view,
7 and I think an economist's view, is an apportionment issue.

8 And I agree with Ms. Hurst on this as well. It strikes me
9 that there has been a conflation here of apportionment and
10 nexus. And at least I believe those are separate issues. One
11 could talk about, sort of, what was the causal relationship,
12 and separately then deal with -- if there is, deal with the
13 apportionment, the 8.8 --

14 **THE COURT:** Did you apportion down the 8.8 to the
15 lines of code in question?

16 **DR. KEARLE:** I did not, to the lines of code.

17 **THE COURT:** What did you -- but you used the
18 noninfringing alternatives approach. At least my memory of
19 what I read. But I don't want to get back into that. But did
20 you, in addition, do some kind of apportionment?

21 **DR. KEARLE:** Yes, but it takes a little bit of
22 background. I addressed each of the noninfringing alternatives
23 and made comments on them. I don't take a position on them. I
24 say these are factual issues. And there are legal issues about
25 whether or not they are permissible.

1 If the jury decides that it's not an either/or, that is
2 that Android would have existed but in a somewhat diminished
3 form, because it couldn't use the 37 Java APIs, then the only
4 thing in this record that would help the jury is the Kim model.
5 Nothing else helps, in my view.

6 The problem about apportioning to lines is some lines are
7 more important than others. And that just goes to the issue
8 about a larger question about apportionment.

9 But merely counting lines and dividing by the total number
10 of lines doesn't give you a sense of whether or not a
11 particular line enables something that's worth lots of money
12 versus a line that doesn't enable something or just is
13 something that tracks through the code.

14 So I don't think line counting, at least from an
15 economist's perspective, helps. But if you exclude that, then
16 the only thing that's left is in the intermediate case in which
17 Android exists but it's not as functional as it would otherwise
18 be. And functional in this sense: It doesn't have as many
19 applications on it as it otherwise would. The only thing that
20 sits in this case, at this point, is Dr. Leonard's use of the
21 Kim model.

22 **THE COURT:** Remind me what that is.

23 **DR. KEARLE:** A Kim model is an econometric model run
24 by a doctoral student at the University of Minnesota, that
25 tried to look at the choice between platforms, between Apple

1 and Android and some other platforms, based on the apps that
2 were available. And it was the weight of the apps. So how
3 important the apps were and so forth. She estimates this
4 model.

5 Dr. Leonard takes that model and uses that model to
6 predict changes in market share when you reduce the number of
7 important apps by some fraction, and that leads to --

8 **THE COURT:** I thought every single app used one or
9 more of these 37 APIs.

10 **DR. KEARLE:** The --

11 **THE COURT:** Or the vast majority.

12 **DR. KEARLE:** He does not track, nor do I track, which
13 of the apps rely on which APIs. No -- no expert has done that
14 in this matter.

15 **THE COURT:** Well, then, how does the Kim thing help
16 us?

17 **DR. KEARLE:** The Kim helps only to the degree that
18 there are fewer apps available.

19 So imagine a universe in which Android used the 37 APIs
20 and had a large number of apps. They kept a number of
21 10,000 --

22 **THE COURT:** So it wouldn't even work. You couldn't
23 even do it without at least those three. So let's say 34.
24 Let's say you --

25 **DR. KEARLE:** In the but-for world, you say, suppose

1 they couldn't use those 37 APIs. What could they use? Well,
2 they could use a C++ app platform. People could write for that
3 or they could write natively. If you wrote for the C++ or you
4 wrote natively, you couldn't write Java apps. So you exclude
5 the Java apps. So we go from, let's say, 10,000 to some
6 smaller number. I don't know what --

7 **THE COURT:** Does C++ work with the Java Language?

8 **DR. KEARLE:** It's my understanding that app writers
9 can write for C++. They don't have to write in Java --

10 **THE COURT:** And it runs on Android?

11 **DR. KEARLE:** And it runs on Android.

12 **THE COURT:** Well, how do you do that without -- where
13 did you get that understanding?

14 **DR. KEARLE:** Not -- I think the facts in the case are
15 that not all apps that run on Android use 37 APIs or are
16 written in Java. Google writes its own --

17 **THE COURT:** Wait a minute. Is that true?

18 **MR. VAN NEST:** It is.

19 **THE COURT:** Is that true? Do you agree with that?

20 **MS. HURST:** Your Honor, it's true that using the Java
21 native interface programs written in C++ could run on Android.
22 Whether they still use the APIs or not is not of proof in the
23 record.

24 **THE COURT:** Well, that's a brand-new wrinkle that I
25 didn't know until right now. Okay. So maybe you-all ought to

1 get to the bottom of what Ms. Hurst just said.

2 Okay. I interrupted you. Please go ahead.

3 **DR. KEARLE:** I'm finished. I simply wanted to address
4 the issue about causal nexus. And if you think of causal nexus
5 as benefit to Google, then another way of thinking about it is,
6 to repeat, not just do you get more revenues, but will you save
7 costs and, therefore, your net revenues are higher. And the
8 record does show that the costs are lower. In fact, traffic
9 acquisition costs are substantially lower on Android phones
10 than they are on non-Android phones for exactly the same search
11 revenues. And, therefore, there is a net revenue increase
12 because you used the Android device.

13 **THE COURT:** All right. No more.

14 **MS. HURST:** Okay. No argument.

15 **THE COURT:** Save any of the rebuttals until tomorrow.
16 Okay. Thank you.

17 **DR. KEARLE:** I'm happy to take questions.

18 **THE COURT:** No, no. We'll do it tomorrow morning.
19 You'll be here then too. Thank you.

20 **MR. VAN NEST:** Your Honor, for tomorrow morning, as I
21 understand it, just so I know what to staff, we're going to do
22 the motions in limine on Dr. Kearl.

23 **THE COURT:** Right.

24 **MR. VAN NEST:** We may get an opportunity to address
25 Dr. Leonard briefly as well.

1 **THE COURT:** Didn't we do that today?

2 **MR. VAN NEST:** We did, but there's a couple points
3 we --

4 **THE COURT:** We'll try to finish up with Leonard and
5 Kim.

6 **MR. VAN NEST:** Good. Finish up with Leonard, Kim, and
7 then do Dr. Kearl. And then I think --

8 **THE COURT:** I want to do Kearl first, and then come
9 back to Leonard.

10 **MR. VAN NEST:** That's fine. Leonard, and then I think
11 you said Kemerer. And that would be tomorrow's agenda.

12 **THE COURT:** That will be all we can do then.

13 **MR. VAN NEST:** Okay.

14 **THE COURT:** Our final pretrial conference is a week
15 from -- is not this week, but next week?

16 **MR. VAN NEST:** Correct.

17 **THE COURT:** What day of the week is that?

18 **MS. ANDERSON:** Wednesday.

19 **MR. VAN NEST:** Wednesday.

20 **THE COURT:** There may be some of these motions in
21 limine to where I'm just going to do on the papers. You can
22 see how long it takes us to do one.

23 **MR. VAN NEST:** That's fine, Your Honor.

24 **THE COURT:** And then I can't -- I just can't promise
25 you that I'm going to have them all done.

1 I did have this further question for you. And that is, it
2 would be your advice on which two or three are the absolute
3 most important to decide before the opening statements, and the
4 two or three which are -- it's okay to wait until later. And
5 that's one way to distinguish them. But, also, which ones are
6 the mirror image of the other in terms of, for example, Leonard
7 had the reply brief problem and so does Malackowski. Even
8 though for different reasons and different subjects. But,
9 nevertheless, they -- they -- I don't want to be inconsistent
10 on my rulings unless there's a good explanation why.

11 So sometimes I rule one way on issue X for one witness,
12 and there's somewhere lurking on the other side, there's that
13 same problem that's lurking on somebody's motion in limine. So
14 if you could try to identify what those are, those interfaces
15 are, I do appreciate it. I think I've got a pretty good idea
16 already.

17 What we say to the jury about the Federal Circuit or the
18 pretrial trial, that will come up. You need to know that by
19 the openings. We can't -- I think. Maybe we can find a modus
20 vivendi to get around that. But I think you need to come to an
21 agreement. I think this is something you-all ought to agree
22 on.

23 And, in any event, you've got to tell me what you propose
24 that you're going to say to the jury about -- if you're going
25 to use the recording of the lawyer saying yes, it is

1 commercial, then you've got to have a witness who can
2 authenticate it. Was that witness disclosed under Rule 26?
3 We've got to do it the right way.

4 And you have to be right upfront and give me a list of all
5 the things that have come out of the Federal Circuit opinion,
6 the Federal Circuit argument and then the prior trial.

7 Another thing that I need for you to give me, you know
8 that questionnaire that I sent out, which was a -- my version
9 of a shortened version of yours, I need to put on the back a
10 complete list of all witnesses. So you need to give me an
11 agreed-upon list of all witnesses so that the venire can circle
12 the ones that they think they know.

13 All right. Let's break for today. And I'll see you 5
14 o'clock in the morning. Thank you.

15 **MR. BICKS:** Thank you.

16 **MS. ANDERSON:** Thank you.

17 **MR. VAN NEST:** Thank you, Your Honor.

18 **MS. HURST:** Thank you.

19 (At 1:05 p.m. the proceedings were adjourned.)

20 - - - -

CERTIFICATE OF REPORTER

I certify that the foregoing is a correct transcript
from the record of proceedings in the above-entitled matter.

DATE: Thursday, April 21, 2016

Katherine Sullivan

Katherine Powell Sullivan, CSR #5812, RMR, CRR
U.S. Court Reporter